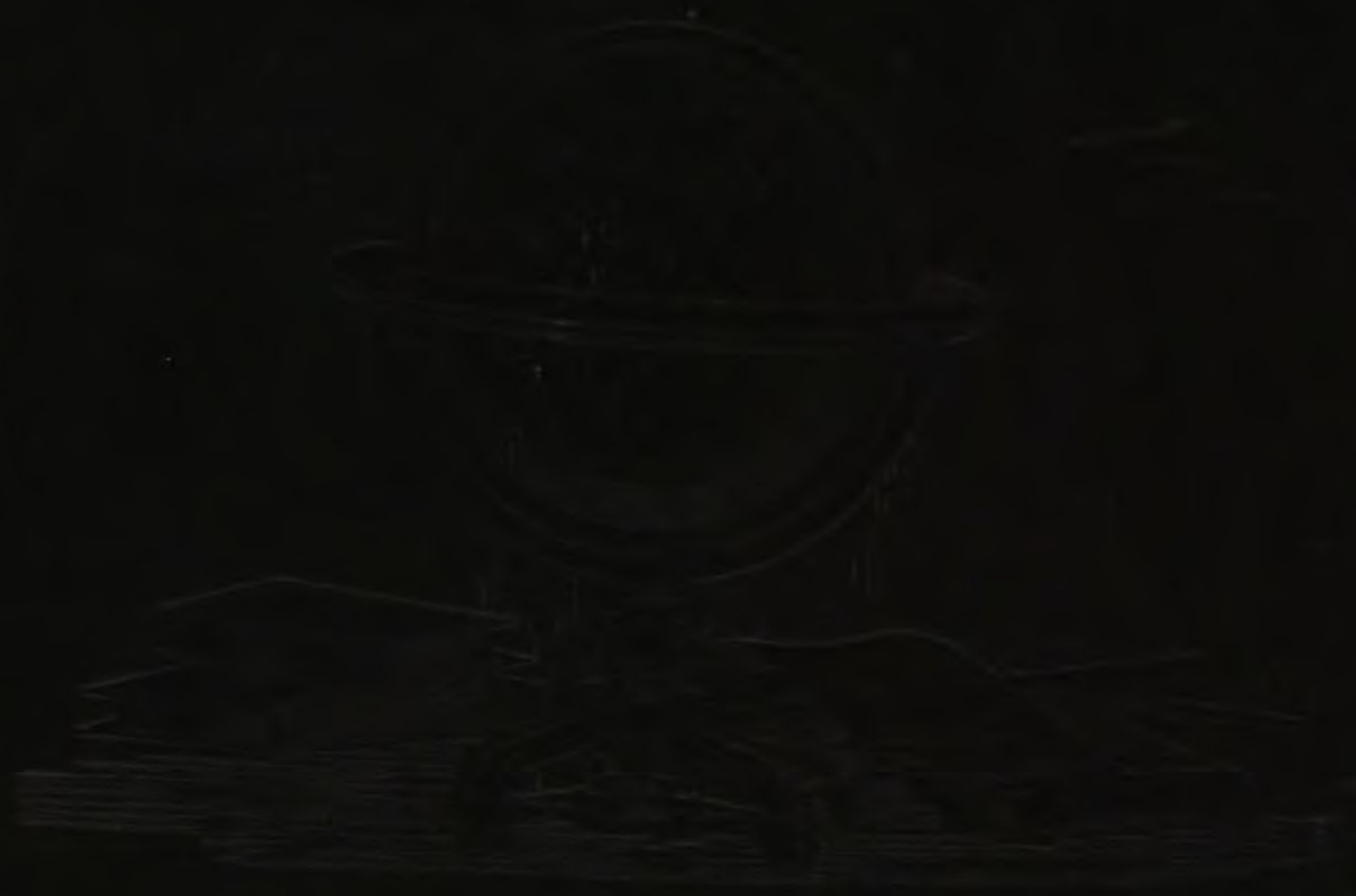
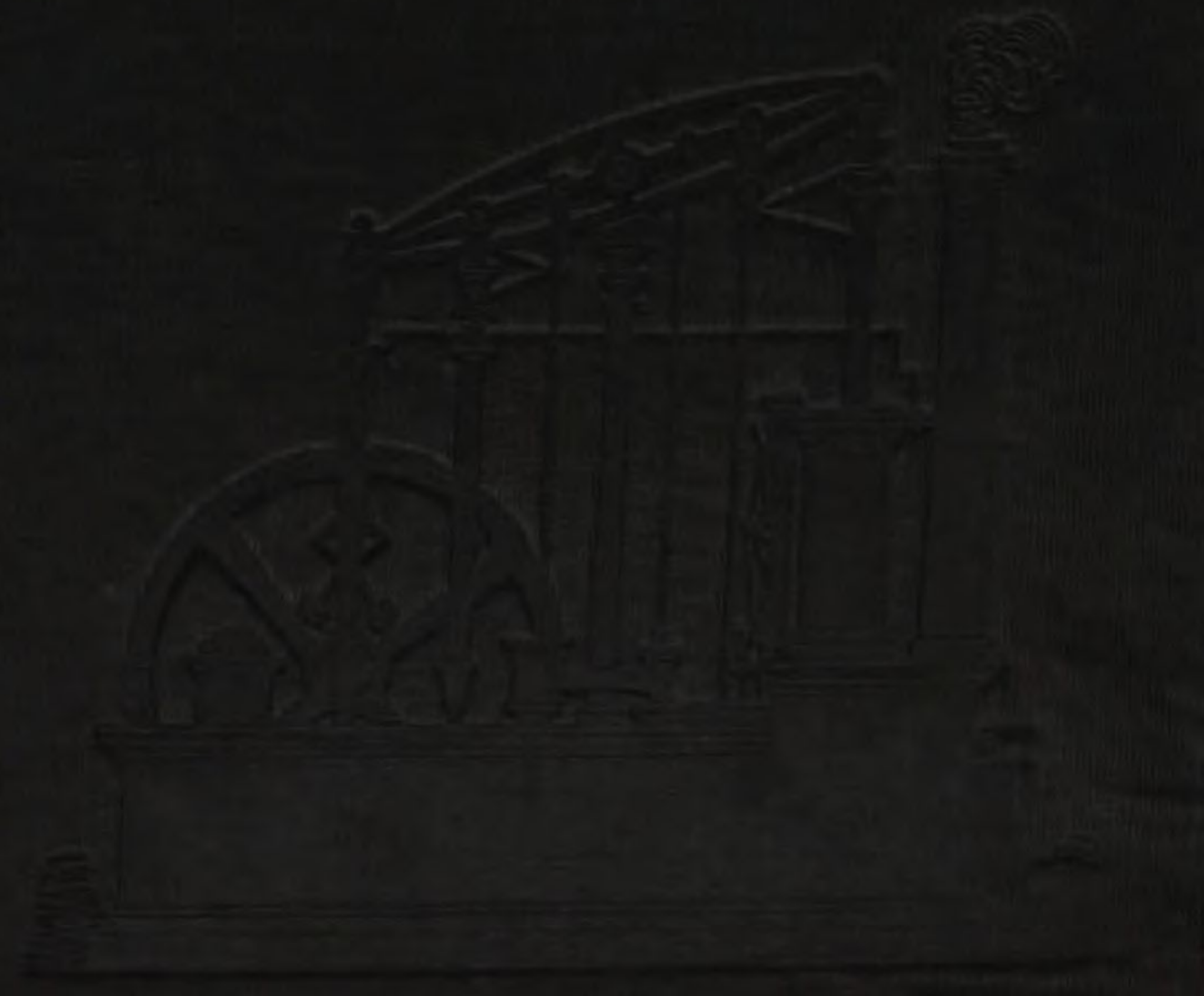




THE HISTORY OF THE

REIGN OF CHARLES THE FIRST



+ Enc. 7m-28

THE HISTORY OF THE

REIGN OF

CHARLES THE FIRST

BY

A POLITICAL HISTORY OF THE

REIGN OF

THE REV. EDWARD SHROVE

OF THE UNIVERSITY OF OXFORD

THE REV. JOHN JAMES

OF THE UNIVERSITY OF OXFORD

THE REV. JOHN JAMES

OF THE UNIVERSITY OF OXFORD

PLATE

VOLUME II

1642

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1642.

ENCYCLOPÆDIA METROPOLITANA;

OR,

UNIVERSAL DICTIONARY OF KNOWLEDGE,

On an Original Plan:

COMPRISING THE TWOFOLD ADVANTAGE OF

A PHILOSOPHICAL AND AN ALPHABETICAL ARRANGEMENT,

WITH APPROPRIATE ENGRAVINGS.

EDITED BY

THE REV. EDWARD SMEDLEY, M.A.,

LATE FELLOW OF SIDNEY COLLEGE, CAMBRIDGE;

THE REV. HUGH JAMES ROSE, B.D.,

PRINCIPAL OF KING'S COLLEGE, LONDON;

AND

THE REV. HENRY JOHN ROSE, B.D.,

LATE FELLOW OF ST. JOHN'S COLLEGE, CAMBRIDGE.

PLATES.

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UNIVERSAL DICTIONARY OF KNOWLEDGE

On an Original Plan:

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WITH APPROPRIATE ILLUSTRATIONS

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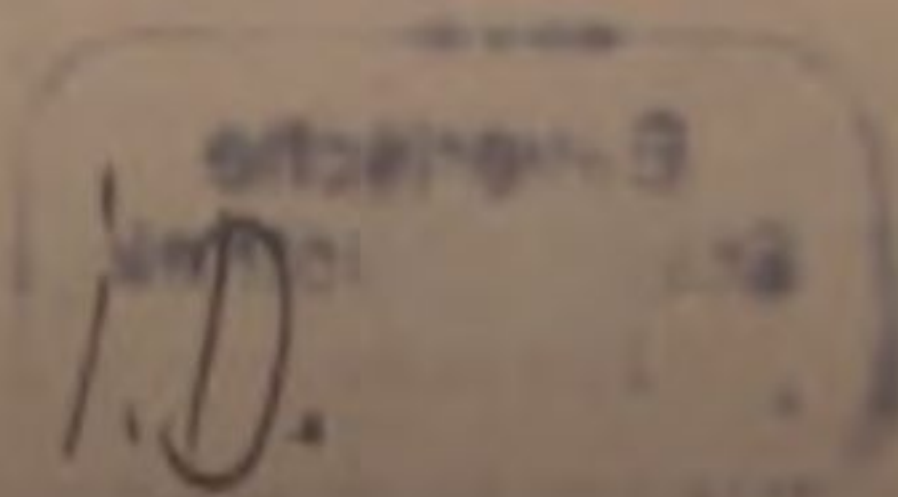
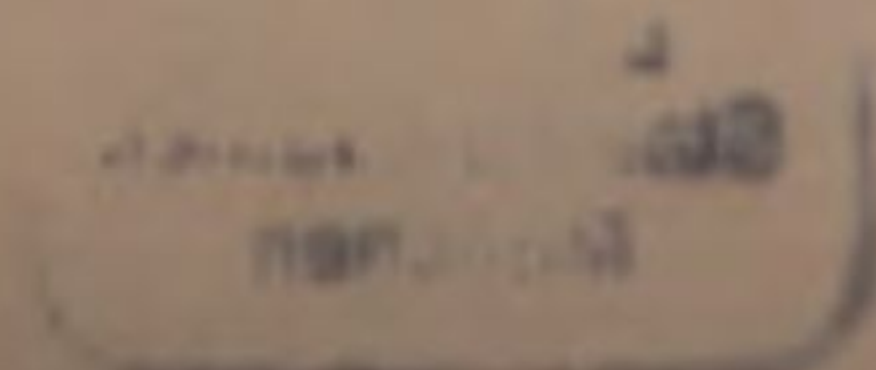
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CONTENTS TO VOL. II.

PLATES to—

MIXED SCIENCES, Vols. 5 and 6.

54

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Simple Leaves.



BOTANY.

Compound leaves.

Plate II.



M^r Holmes Delin^r

Published as the Act directs August 1st 1828 by Baldwin & Cradock, Paternoster Row.

J.W. Lowry Sculp^r



BOTANY.
Roots.

PLATE III.



M^r Holmes delin^t

J Lowry sculp^t

Published as the Act directs, Jan^r 11829, by Baldwin & Craddock, Paternoster Row.

BOTANY.

Stems.

Plate IV



BOTANY
Modes of Inflorescence.

Plate 5.

Fig. 1.



Fig. 2.



Fig. 3.



Fig. 4.



Fig. 5.



Fig. 6.



Fig. 8.



Fig. 9.



Fig. 7.



Fig. 10.



Fig. 11.



Fig. 12.

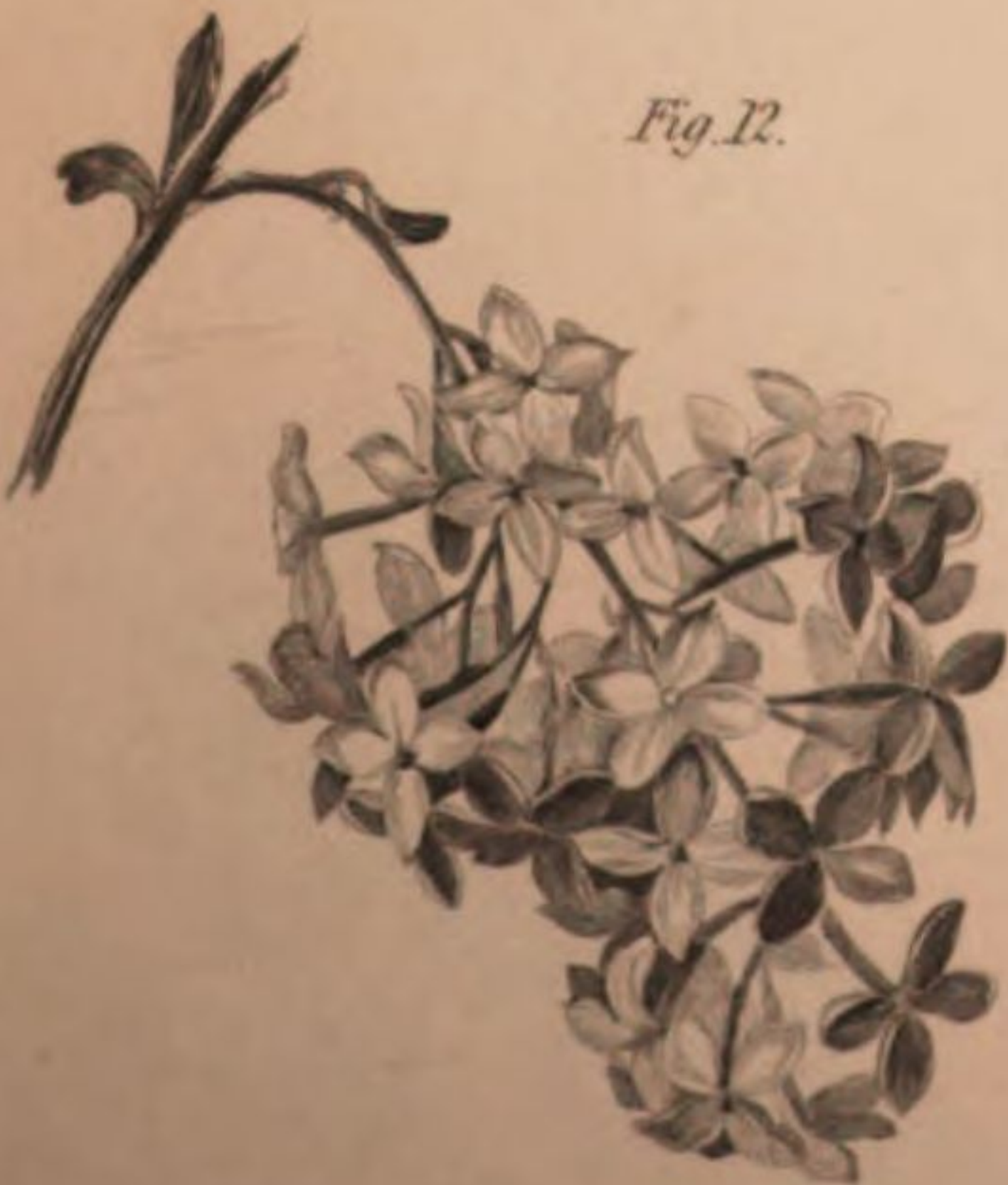


Fig. 13.



Fig. 14.



Fig. 1



BOTANY.
Fruit and Seed Vessels.

PLATE 7



BOTANY.

Linnaean Classes & Orders

PLATE 8.



BOTANY.
Linnæan Classes & Orders.

PLATE 9.



M^r Holmes delin.

Published as the Act directs Jan^y 1 1832. by Baldwin & Cradock. Paternoster Row.

J.W. Lowry. Sculp.

BOTANY.
Linnaean Classes & Orders.

PLATE 10.



M^{rs} Holmes delin.

Published as the Act directs Jan^y 1, 1832, by Baldwin, & Craddock, Paternoster Row.

J. W. Lowry sculp.

BOTANY.
Linnaean Classes & Orders.

PLATE II.





BOTANY.
Cryptogamia?

PLATE. 13.



BOTANY.
Cryptogamia.

PLATE 14.



M. Holmes delin.

J.W. Lowry sculp.

BOTANY.
Conserva Fucus &c.

PLATE 15.









Cocoa Nut Palm.

Yucca aloifolia.

Banana. Cereus.

Fan Palm. Castor Oil Plant.

J.W. Lowry sculp.



1. Calabash Tree. 2. Betel Nut Palm. 3. Zamia Elliptica. 4. Ficus Virens. 5. Tamarind Tree.

Genera—Simia—Semnopithecus—Cercopithecus—Cynocephalus



Simia Satyrus. Orang Outang.



Semnopithecus Maurus Lotong



Cercopithecus Nasicus. Proboscis Monkey.



Cynocephalus Mormon. Great Baboon.

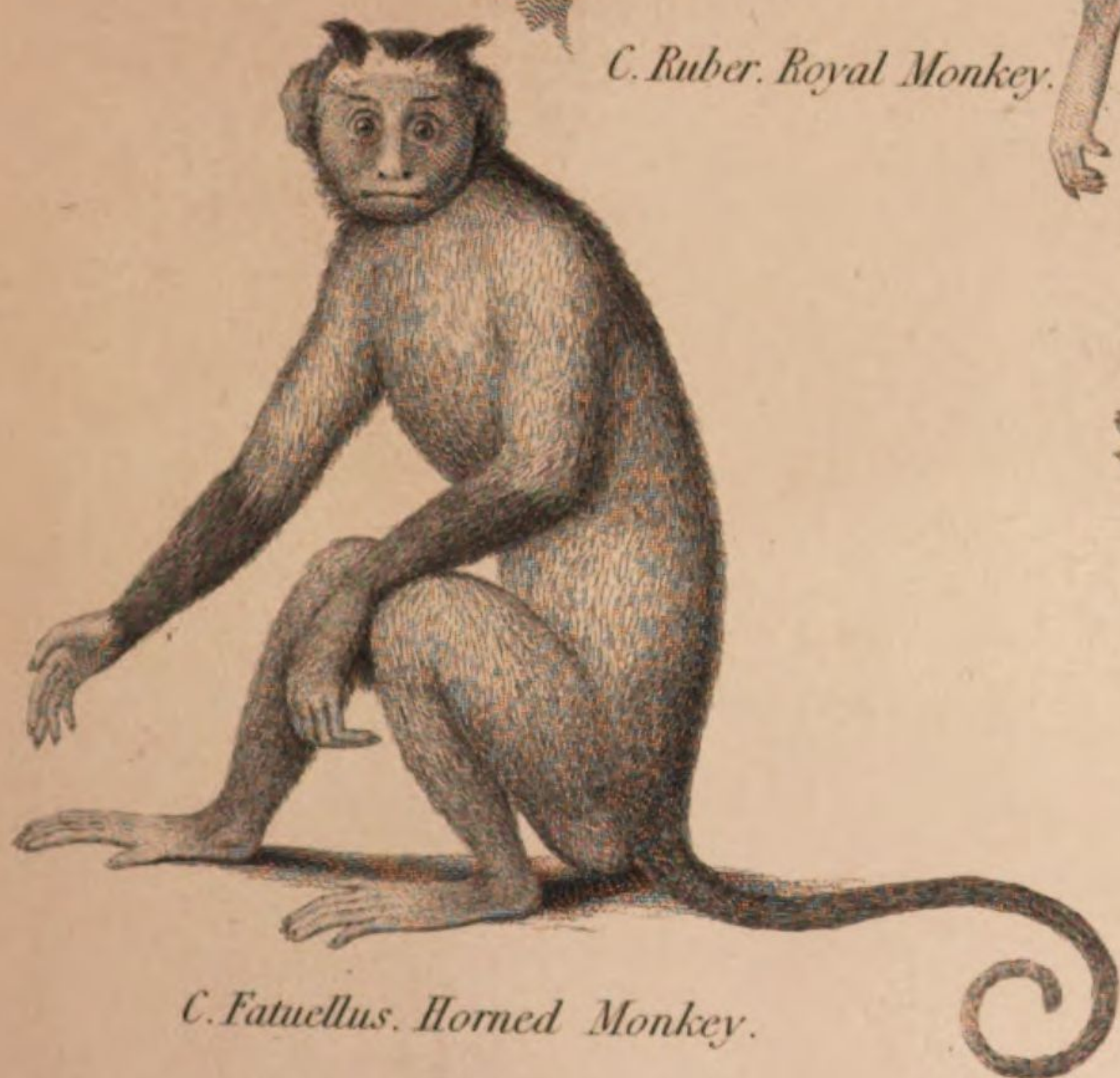
Genera. Cebus and Hapale.



C. Ruber. Royal Monkey.



C. Coaita. Four fingered Monkey.



C. Fatuellus. Horned Monkey.



C. Sciureus. Squirrel Monkey.



H. Communis. Striated Monkey.



H. Rosalia. Silkey Monkey.

MAMMALIA.

Order, Quadrumana.

Genera, Lemur, Lichanotus, Stenops, Otolieinus, Tarsius.

Family, Lemuridae.



L. Catta. Ring-tailed Macauco.



I. Madagascariensis Indri.



S. Tardigradus. Bengal Lori.



O. Senegalensis. Senegal Galago.



T. Daubentonii. Daubenton's Tarsier.



T. Bancanus. Banca Tarsier.

Genera. Pteropus, Molossus, Phyllostoma, Erinaceus, Sorex, Talpa.

Family. Cheiroptera.
—— Insectivora.

M. Velox.



Pter. Javanicus.



Phyl. Spectrum. — Spectre Bat.



E. Europaea. — Common Hedgehog.



S. Araneus. — Common Shrew.



T. Europaea.

Common Mole.

MAMMALIA.

Order. Sarcophaga.

Genera. Ursus, Nasua, Procyon, Gulo.

Family. Carnivora.
Tribe. Plantigrada.

PLATE 5



U. Maritimus. Polar Bear.



P. Lotor. Raccoon.

N. Fusca Brown Coati Mondé.



G. Americanus. Wolverine.

J. W. Lowry sculp.

Genera: Mephitis. Mustela. Viverra. Lutra. Herpestes.

Family: Carnivora.
Tribe: Digitigrada.



Meph^s. Americana. American Mephitis.

Must^a. Foina. Pine Martin.



V. Civetta. Civet.



L. Vulgaris. Common Otter.

H. Ichneumon. Egyptian Ichneumon.

MAMMALIA.

Order. Sarcophaga.

Genus. Canis.

Family. Canivora.
Tribe. Digitigrada.

Plate 7.



C. Lupus. Wolf.

C. Fennecus Fennek.



C. Familiaris. (Var Thibet.) Thibet Dog



C. Vulpes. Fox.

C. Aureus Jackal.



H. Vulgaris. Striped Hyæna.



F. Leo. Lion.



F. Tigris. Tiger.

Order: Sarcophaga.

MAMMALIA.

Genera. Phoca. Otaria. Trichechus.

Family. Pinnata.

PLATE 9.



P. Vitulina. — Common Seal.



O. Nigra. — Black Otary



T. Rosmarus. — Arctic Walrus

Chas. Landwehr delin.

J.W. Lewis sculp.

MAMMALIA.

PLATE 10.

Order: Marsupialia.

Genera. Didelphis. Dasyurus. Perameles. Phalangista.

Family Pedimana.



Did. Virginiana. Virginian Opossum.

Das. Maugei. Munge's Dasyure.

*Per. Obesula.
Porcuine Peramele*

Phal. Gliriformis. Mouse like Phalangista.

Chas. Lambart delin.

J. W. Lowry sculp.

MAMMALIA.

PLATE II.

Order. Marsupialia.

Genera. *Hypsiprymnus*, *Halmaturus*, & *Phascodomys*.

Fam. *Salientia* & *Fodientia*.



Hyp.^s Murinus. Potoroo.



Halm.^s Giganteus. Great Kangaroo.



P. Fuscus. Wombat.

Chas. Landseer delin.

Published as the Act directs—Jan^y 1. 1832. by Baldwin & Cradock Paternoster Row.

J. W. Lowry sculp^t.

MAMMALIA

PLATE. 12.

Order. Rodentia.

Genera. Castor, Hypudæus, Myoxus, Hydromys, Mus, Dipus.

Family. Claviculata.



Hyp. Lemmus.—Lemming.



My. Avellanarius.—Dormouse.



C. Fiber.—Common Beaver.



Hyd. Coypu.—Molina's Coypu.



Mus. Rattus.—Black Rat.



D. Iaculus.—Egyptian Jerboa.

Chas. Landseer, delin.

J.W. Lowry, Sculp.

Order . Rodentia .

Genera . Pedetes . Arctomys . Pteromys . Lepus . Hystrix .

Family . Claviculata .



A. Alpinus. — Alpine Marmot.



Ped. Capensis. — Cape Jerboa.



Pter. Sabrinus. — Greater Flying Squirrel.



L. Timidus. — Common Hare.



L. Pusillus. — Calling Hare.

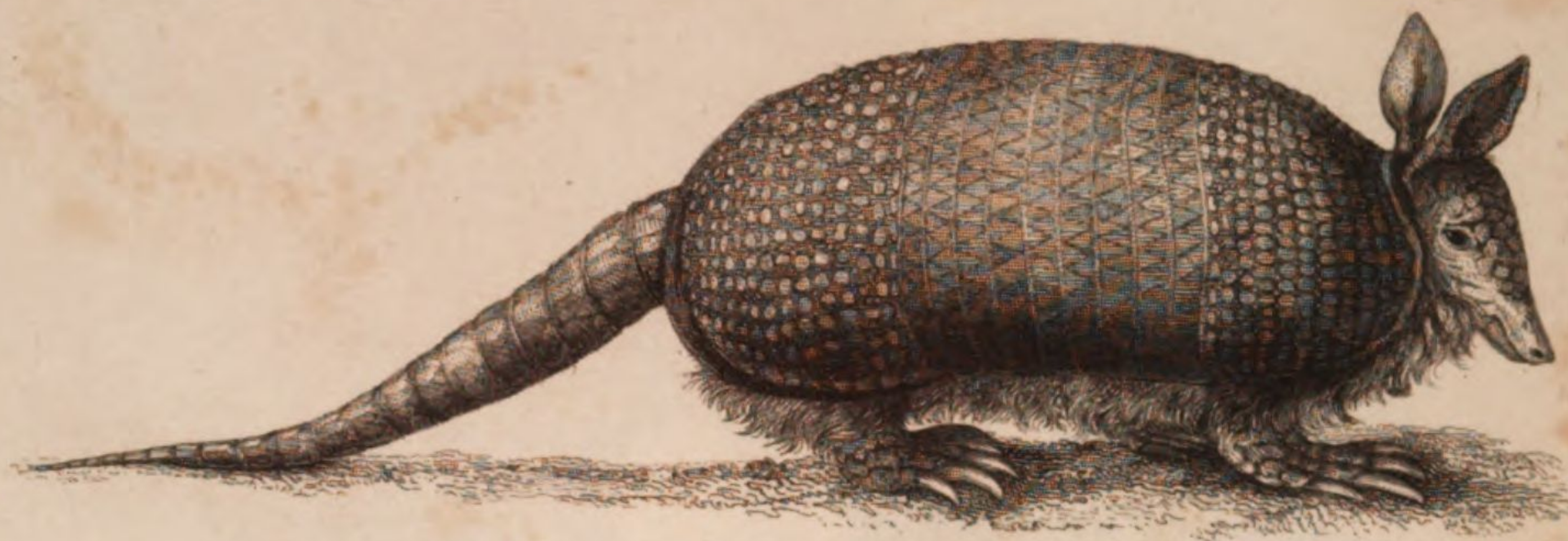


H. Cristata. — Common Porcupine.

Genera. Bradypus, Dasypus, Myrmecophaga, Manis, Echidna, Ornithorhynchus.



B. Tridactylus. Three toed Sloth.



D. Novemcinctus. Nine banded Armadillo.



M. Jubata. Great Ant-eater.



M. Macroura. Long tailed Manis.



E. Hystrix. Spiny Echidna.



O. Paradoxus. Rufous Ornithorhynque.

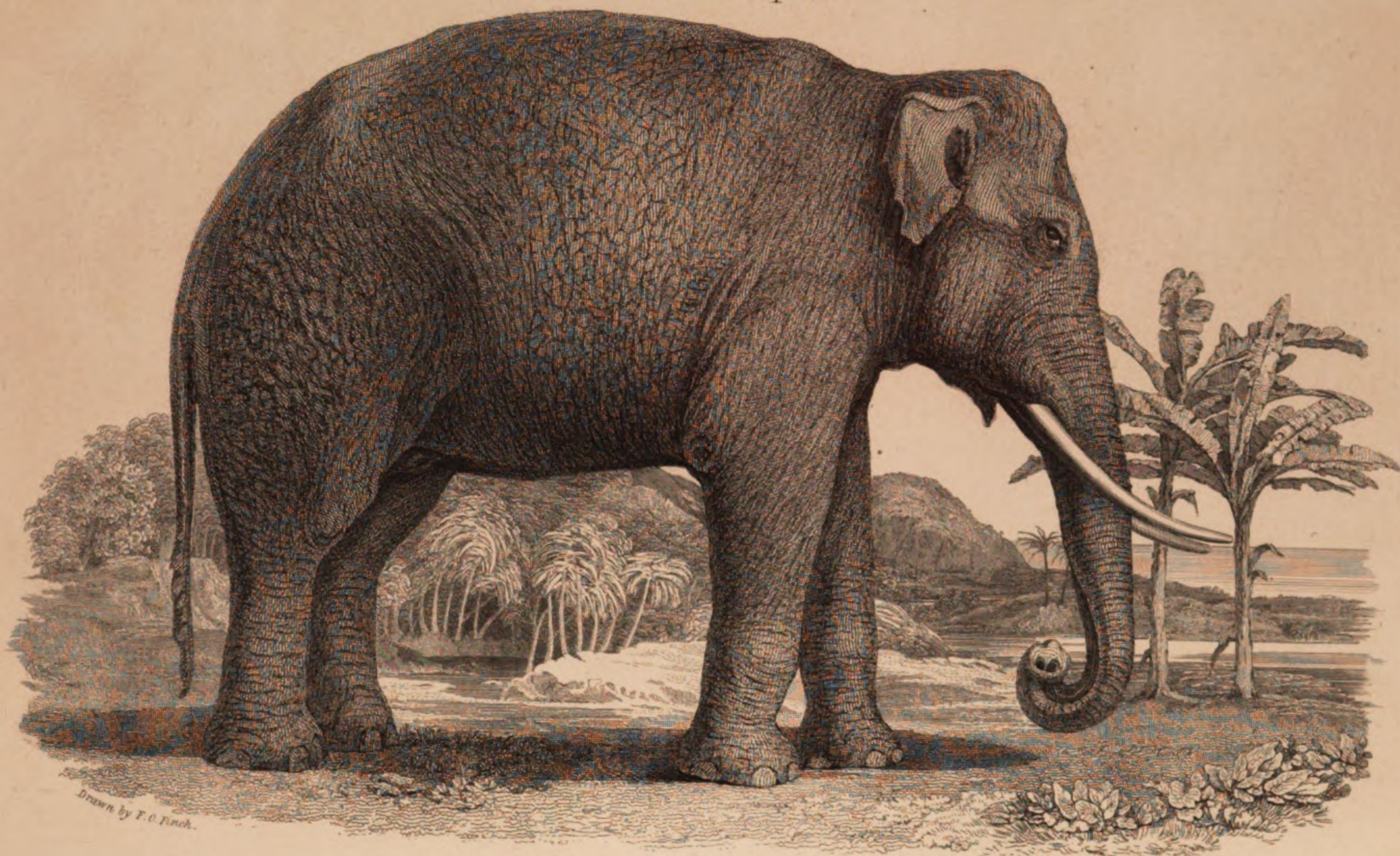
MAMMALIA.

Order. Pachydermata.

Plate XX

Genus. Elephas.

Family. Proboscidea.

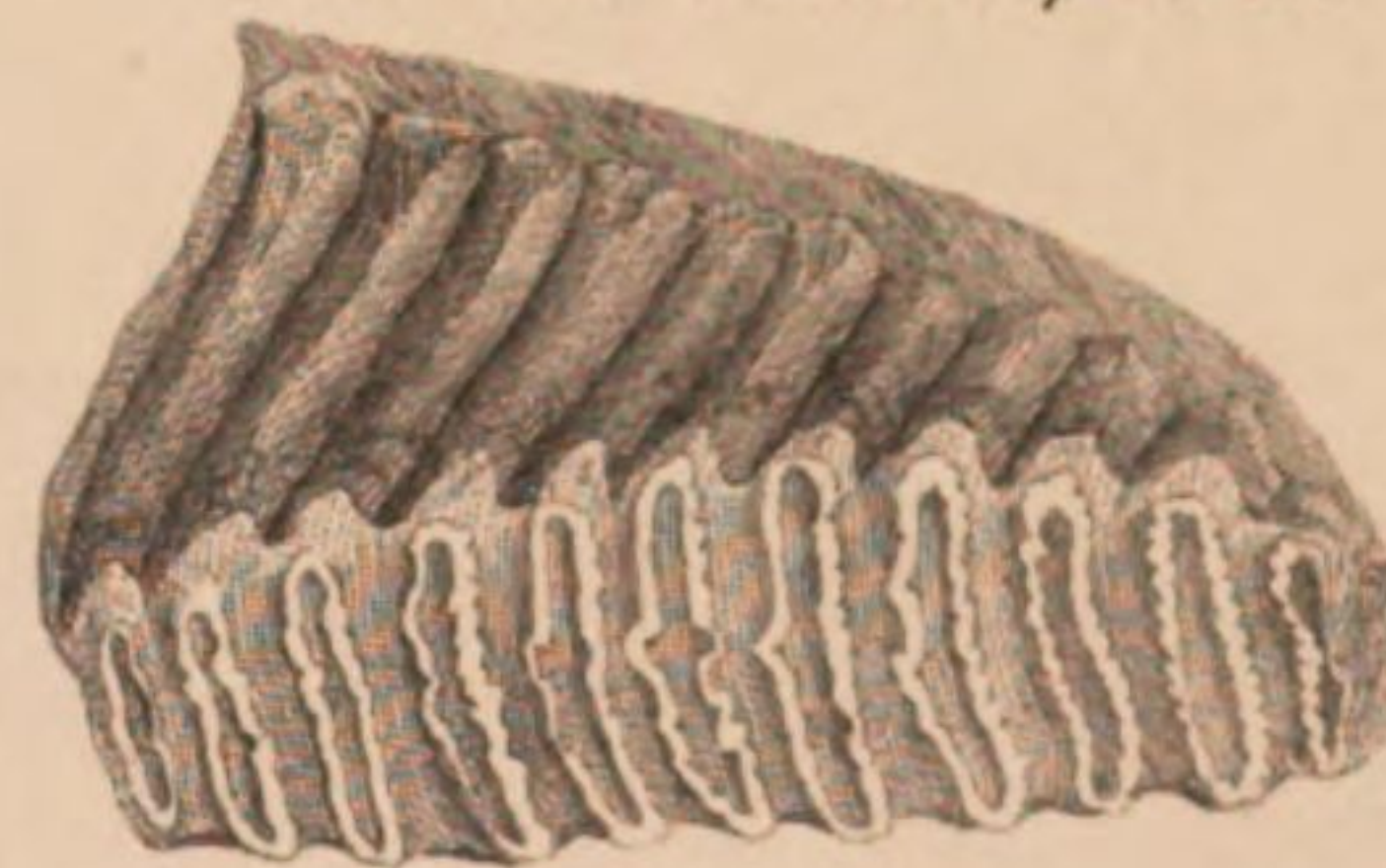


E. Indicus. Indian Elephant.

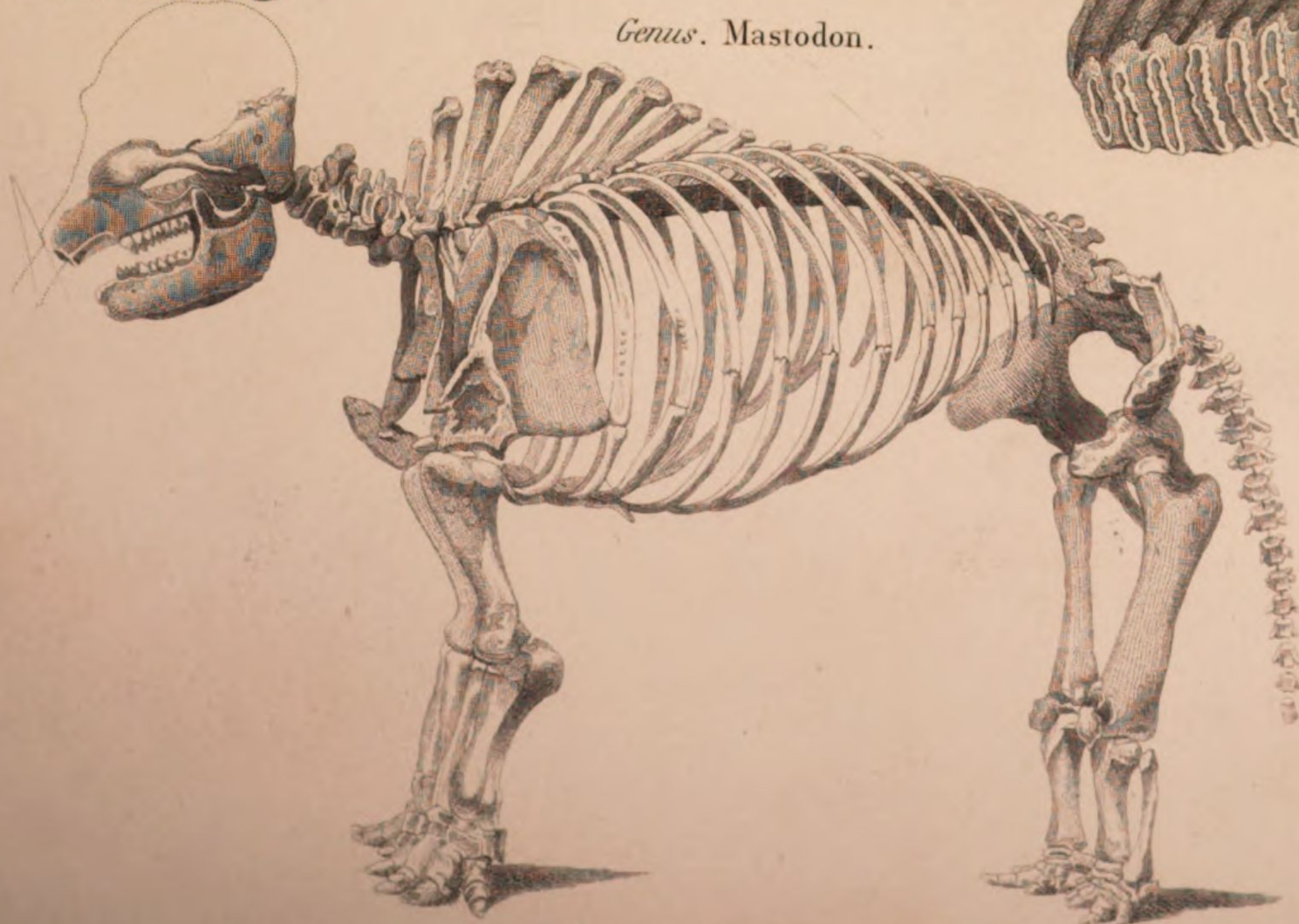
Tooth of African Elephant.



Tooth of Indian Elephant.



Genus. Mastodon.



M. Giganteum. Gigantic Mastodon.

MAMMALIA.

PLATE 23

Order Pachydermata.

Genera. Rhinoceros, Hippopotamus, Tapirus.

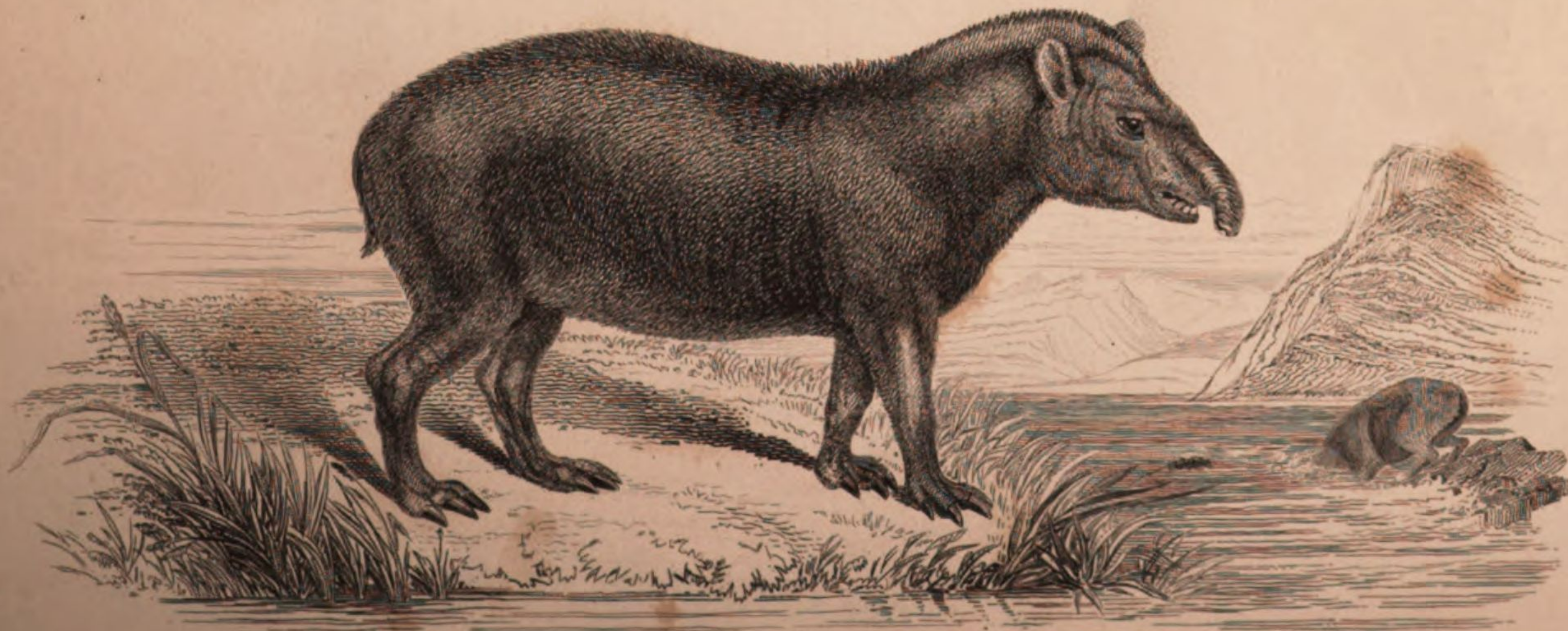
Family Eproboscidiata.



Rhinoceros Indicus.—*Indian Rhinoceros.*



Hippopotamus Amphibius.—*Hippopotamus.*



Tapirus Americanus.—*American Tapir.*

Chas. Landseer delin.

Published as the Act directs, June 1832, by Baldwin & Cradock, Paternoster Row.

J.W. Leary f.

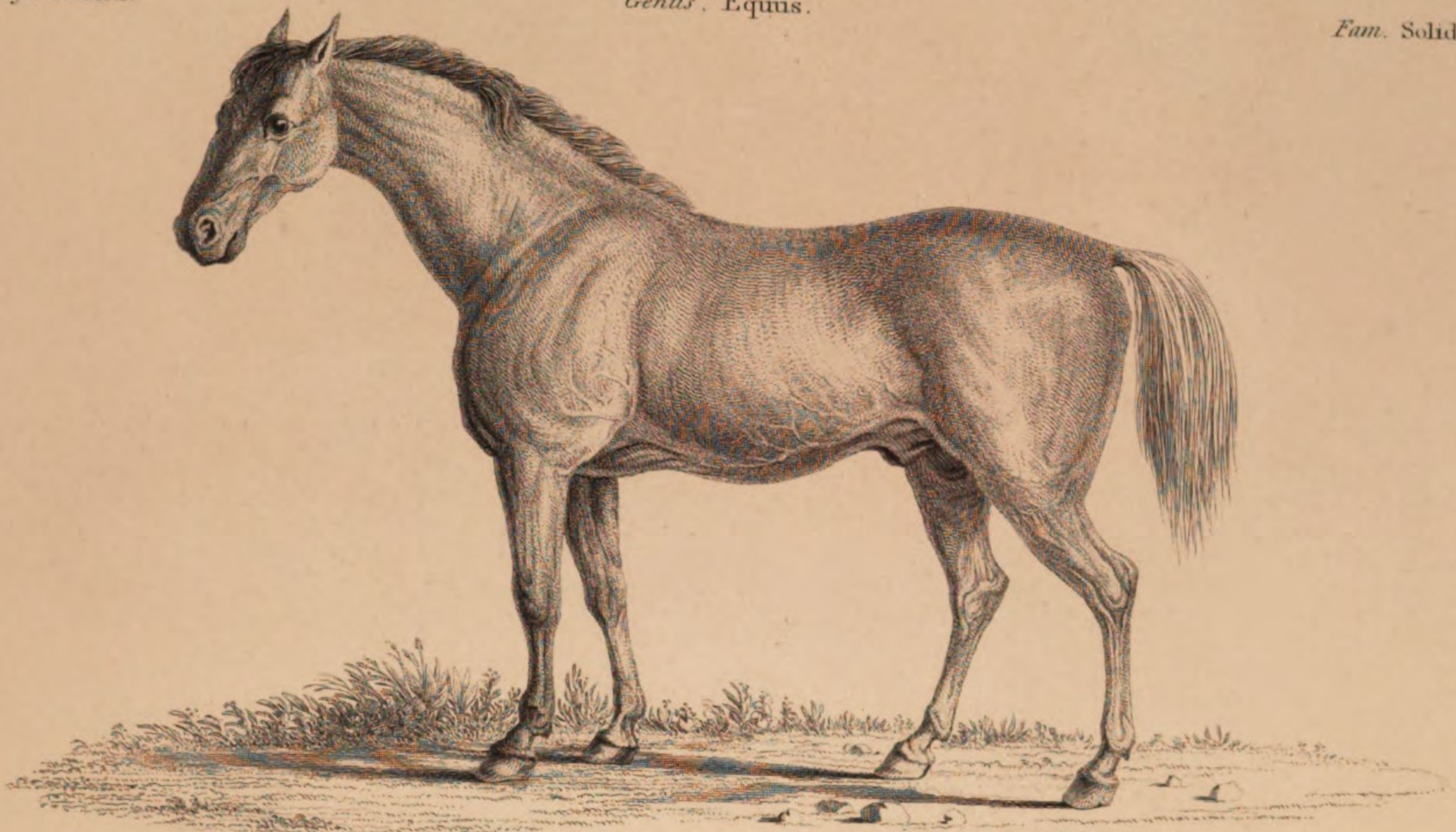
MAMMALIA.

PLATE 16

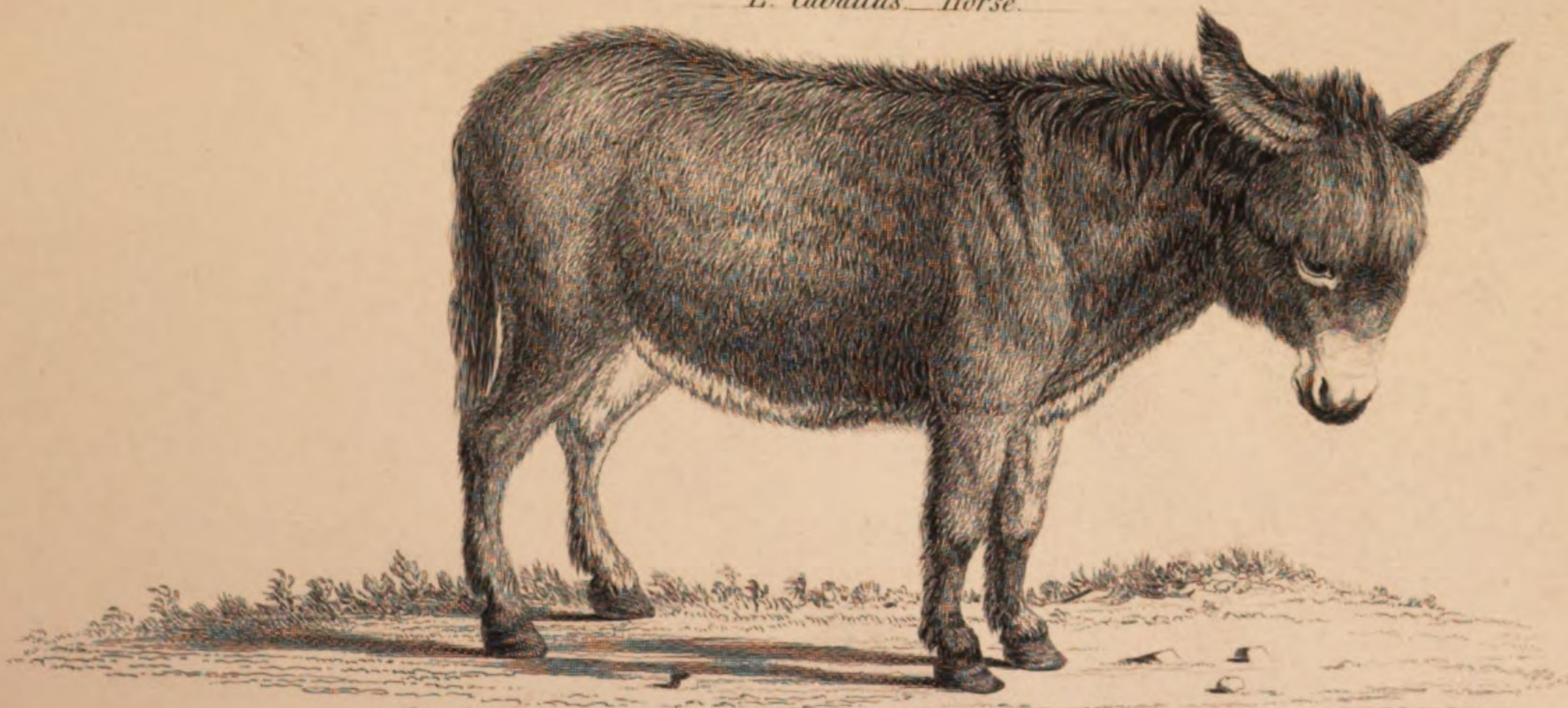
Order Pachydermata.

Genus, Equus.

Fam. Solidungula.



E. caballus. Horse.



E. asinus. Ass.



E. zebra. Zebra.

MAMMALIA.

Genera. Camelus, Auchenia, Moschus.

PLATE 19.

Order Ruminantia.

Family Acornia.



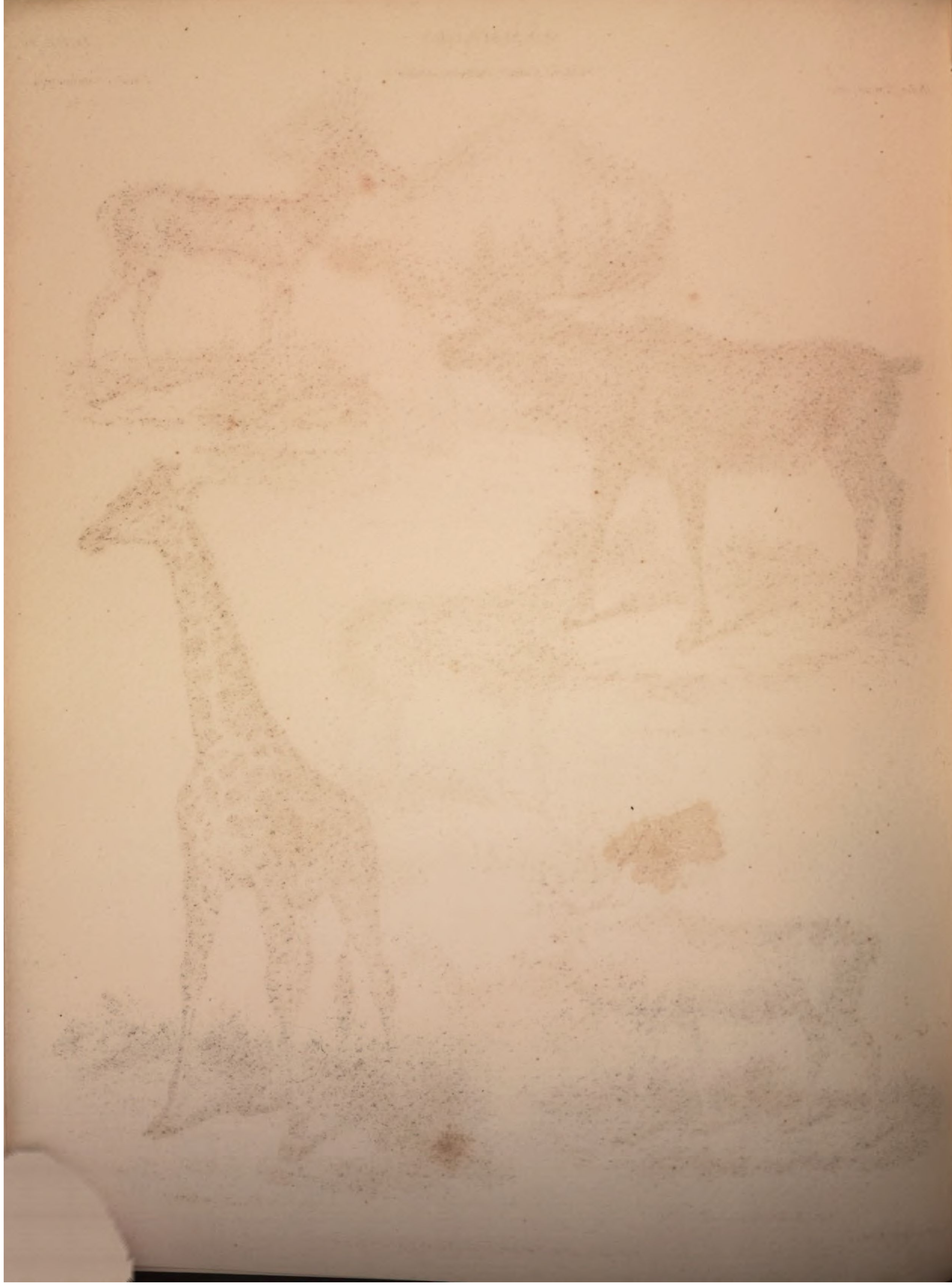
C. Dromedarius—Dromedary.



A. Glama—Llama.



M. Javanica—Java Musk.



Order. Ruminantia .

Genera. Cervus, Camelopardalis .

Family. Solidicornia .



Cer. Alces .— Elk or Moose Deer .



Cer. Capreolus .— Roebuck .



Cer. Tarandus .— Reindeer .



Cam. Giraffa .— Camelopard .

Chas. Landseer delin.

MAMMALIA.

Ord: Ruminantia, Fam: Caricornia, Gen: Antelope.



1 A Cervicapra Common Antelope. 2 A Oryx Egyptian Antelope. 3 A Pygmaea Royal Antelope.
4 A Pida Whitefooted Antelope. 5 A Gnu Gnu Antelope.

Griffith sc.

MAMMALIA .

Genera . Capra . Ovis . Bos .

PLATE 22 .

Order . Ruminantia .

Family . Cavicornia .



C. ibex. — Ibex Goat .



O. ammon. — Wild Sheep .



B. americanus. — Bison .



O. montanus. — Rocky Mountain Sheep .

MAMMALIA

PLATE 23.

Order. Cetacea.

Genera. Manatus. Halicore. Rytina.

Family. Herbivora.



M. Americanus. — American Manatee.



H. Dugong. — Dugong.



R. Stelleri. — Stellers Rytina. (Young.)

Chas. Landwehr del.

J.W. Long sculp.

Published April 1. 1834. by Baldwin & Cradock Paternoster Row.

MAMMALIA

Genera. Delphinus, Monodon, Physeter, Balæna.

PLATE. 24.

Order. Cetacea.

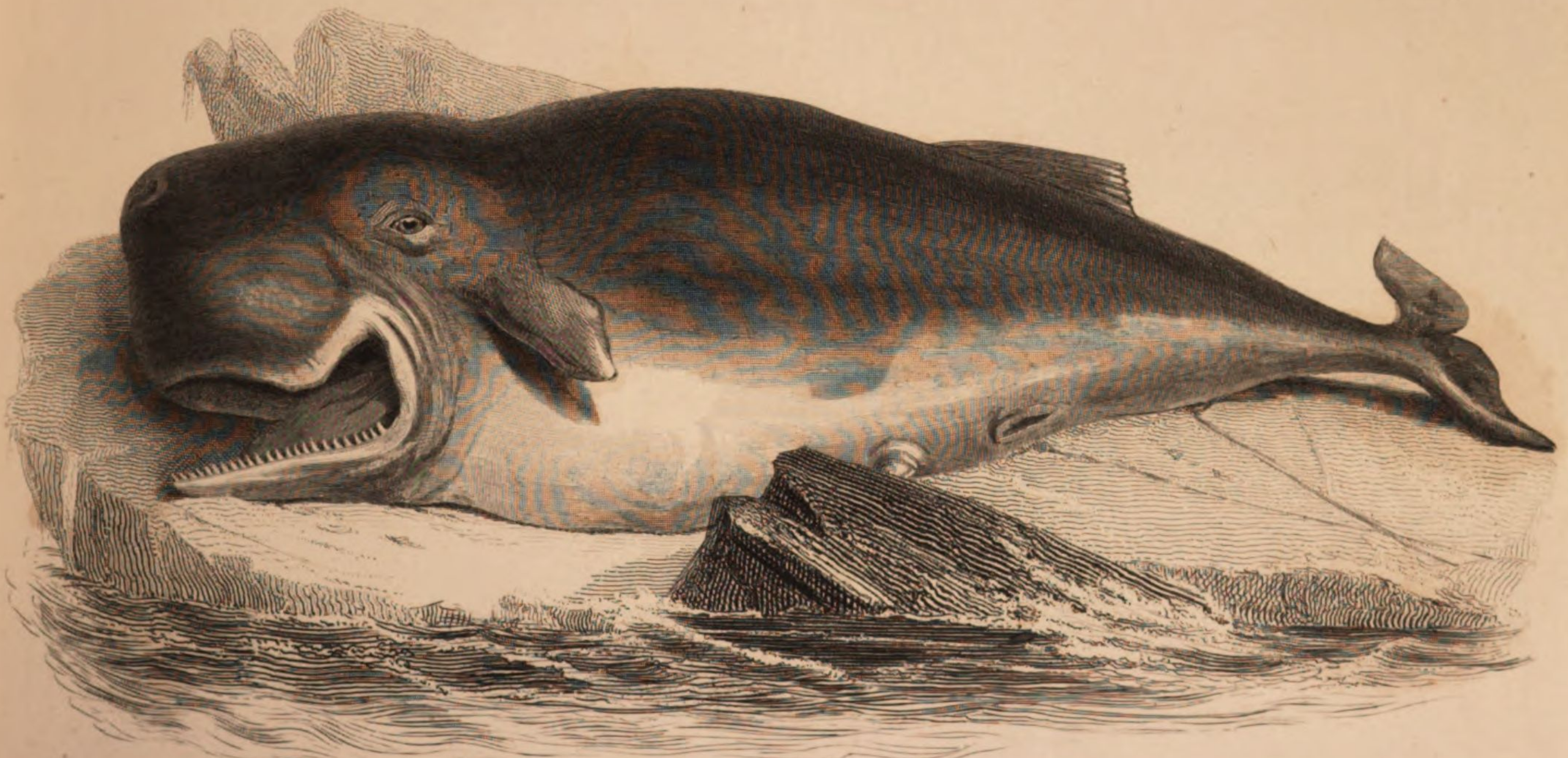
Family. Genuina.



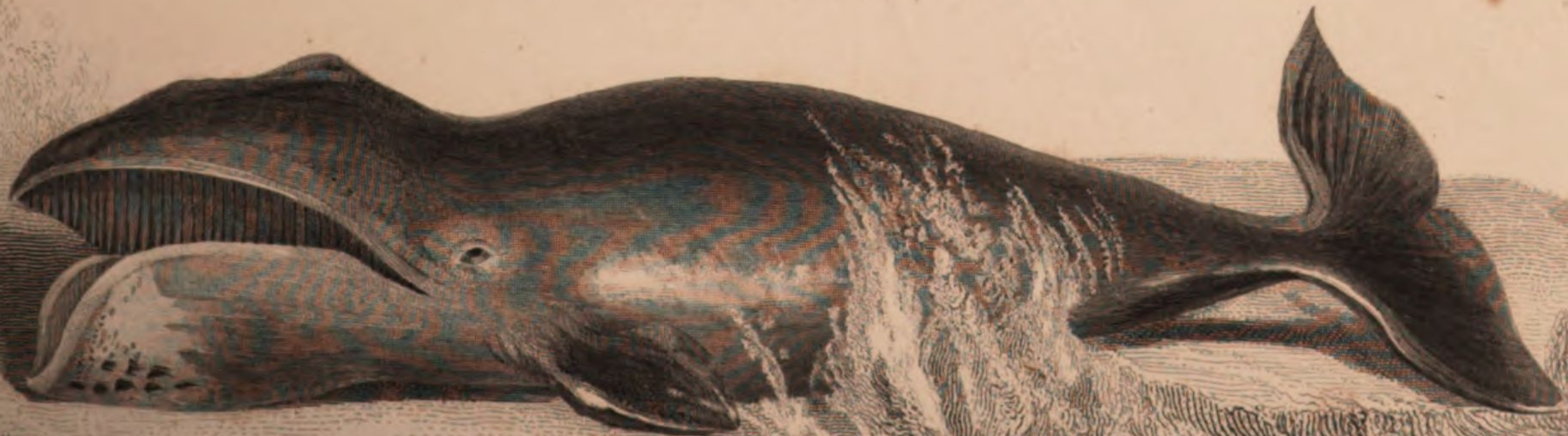
D. Delphis.—Dolphin.



M. Monoceros.—Narwhal.



P. Macrocephalus.—Cachalot or Spermæcti Whale.



B. Mysticetus.—Common Greenland Whale.

J.W. Lowry, Sculp.

AVES.

Plate 1.

Order. Accipitres.

Family. Diurnæ.

Genera. Vultur. Sarcoramphus. Percnopterus & Gypaetos.



Vultur Monachus. Monk Vulture.



Sarcoramphus Papa. King Vulture.



Percnopterus Aegyptiacus. Egyptian Vulture.

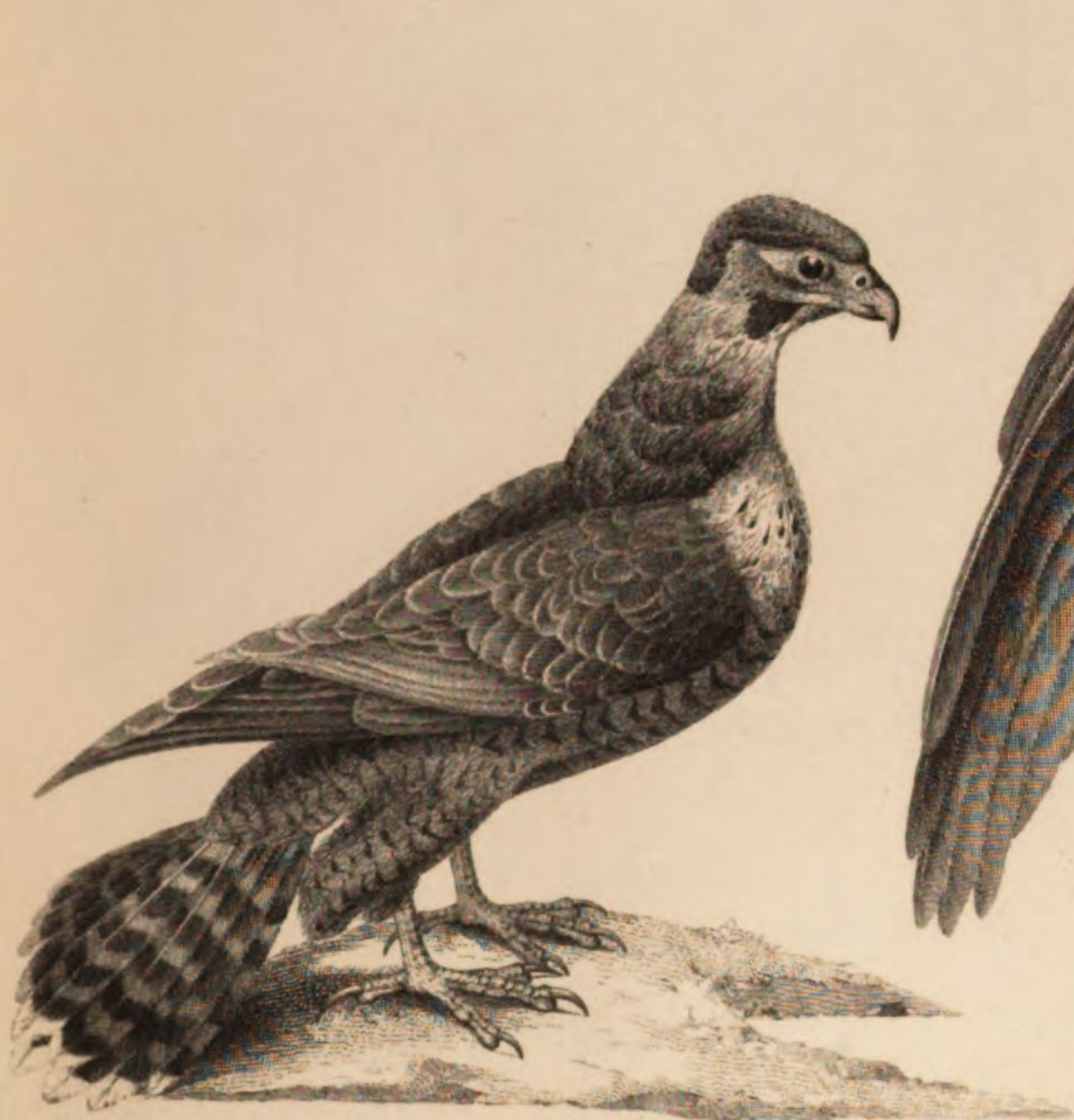


Gypaetos Barbatus. Alpine Gypaete.

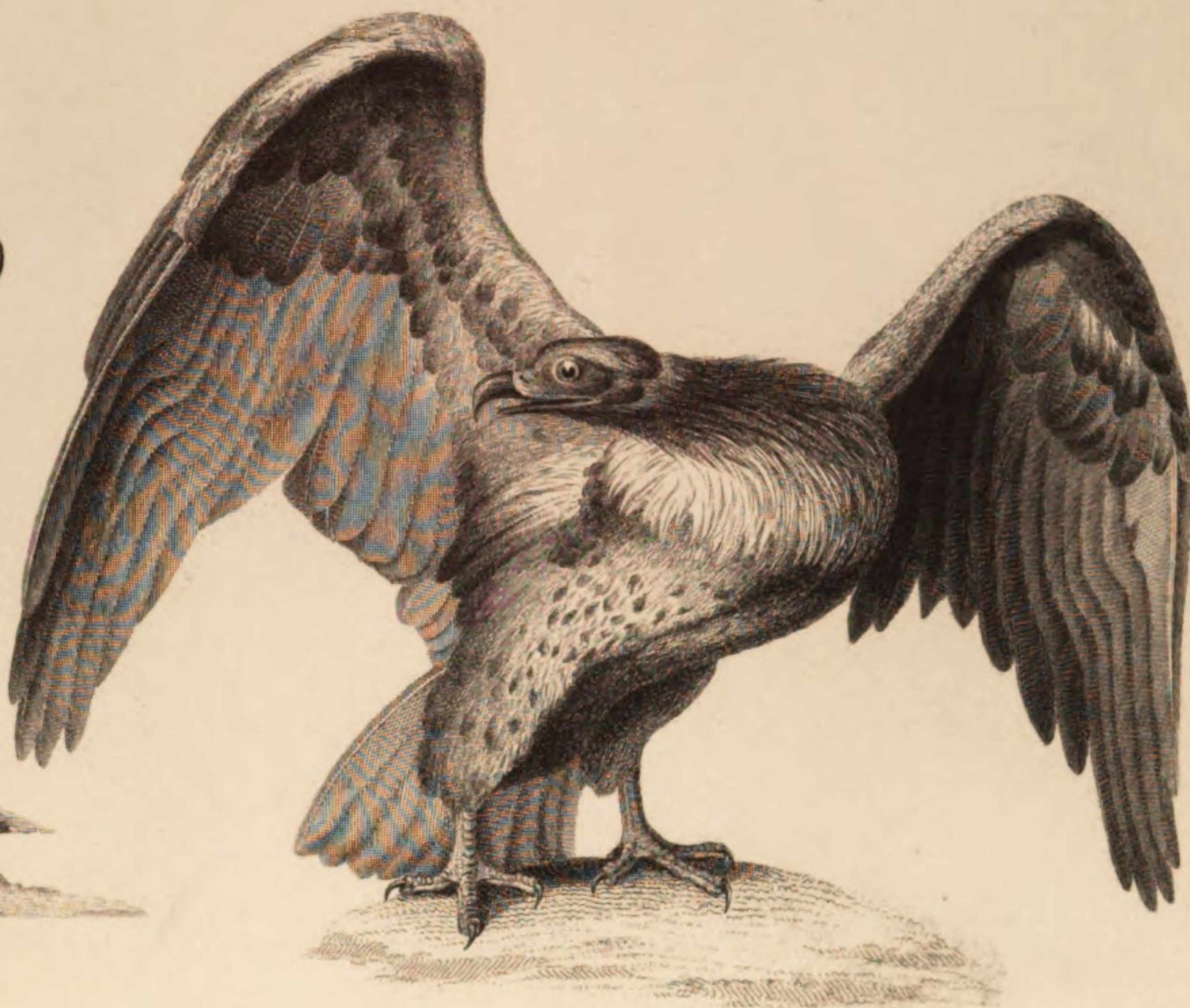
Order Accipitres

Family Diurnæ

Genera Falco & Gypogéranus



F. Communis . Common Falcon



F. Ossifragus . Sea Eagle



F. Pennatus . Booted Buzzard



G. Capensis . Snake Eater

Order, Accipitres.

A V E S .

Genus, Strix.

Family, Nocturnæ.

Plate 3



St. Aluco. Brown Owl.



St. Otus. Long Eared Owl



St. Flammæa. White Owl.



St. Nyctea. Snowy Owl.

Order. Passeres.

AVES.

PLATE 4.

Genera. Lanius. Muscicapa. Tanagra. Turdus. Rupicola. Eurylaimus.

Family. Dentiostres.



L. Excubitor - Great Cinereous Shrike.



M. Grisola - Spotted Flycatcher.



Tan. Vittata - Banded Tanager.



Tur. Polyglottus - Mocking-bird.



R. Aurantia - Orange Rock Cock.



E. Javanicus.

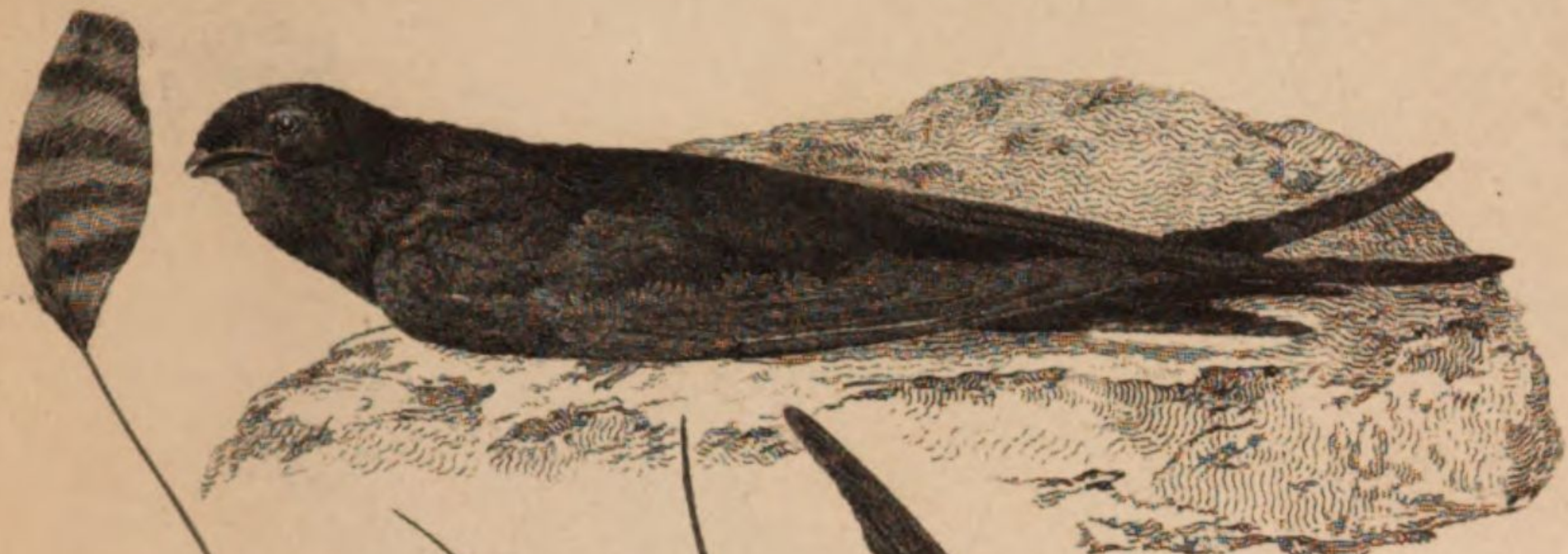
Order. Passeres

A V E S .

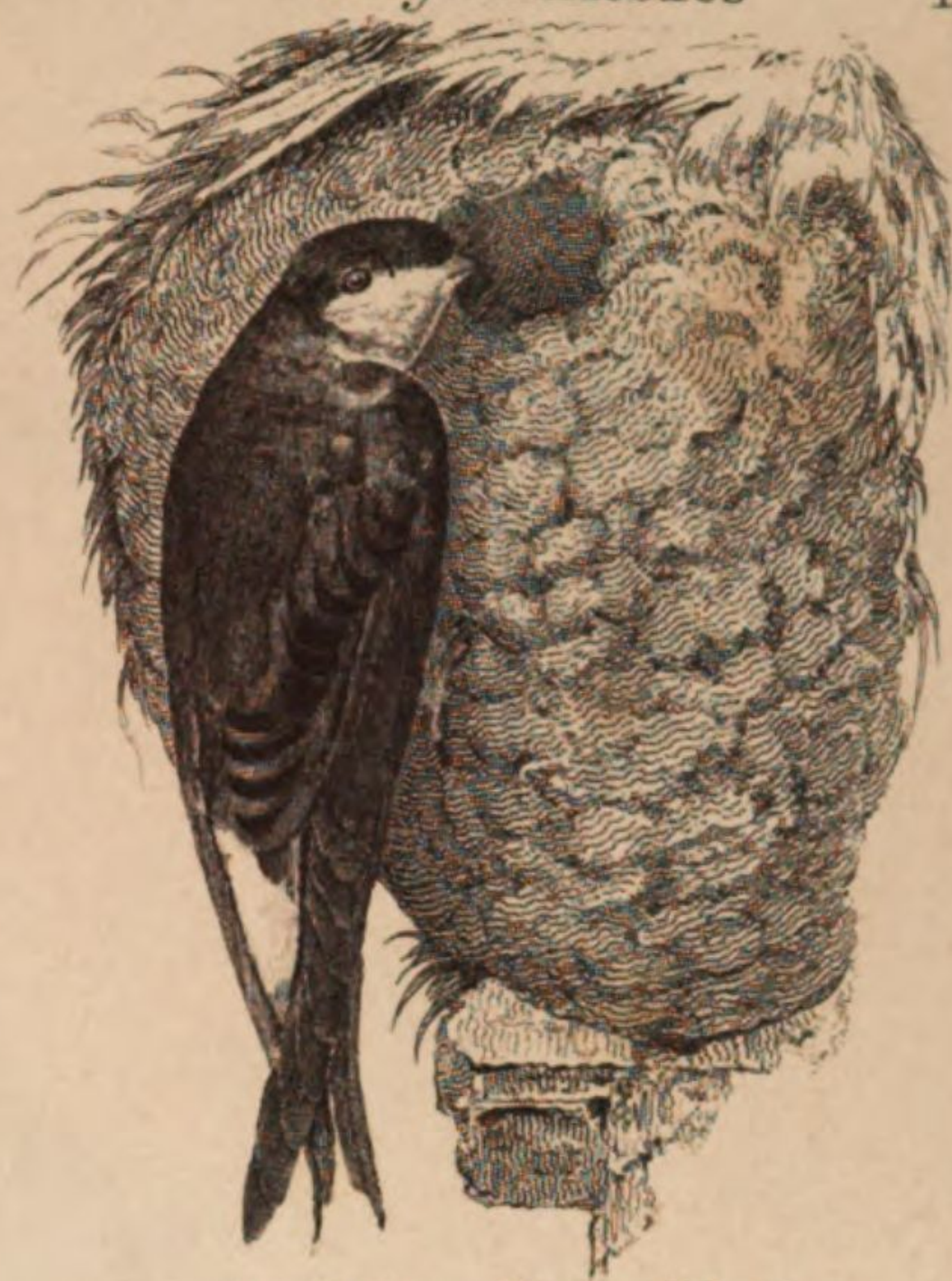
Genera Hirundo & Caprimulgus.

Family. Fissirostres

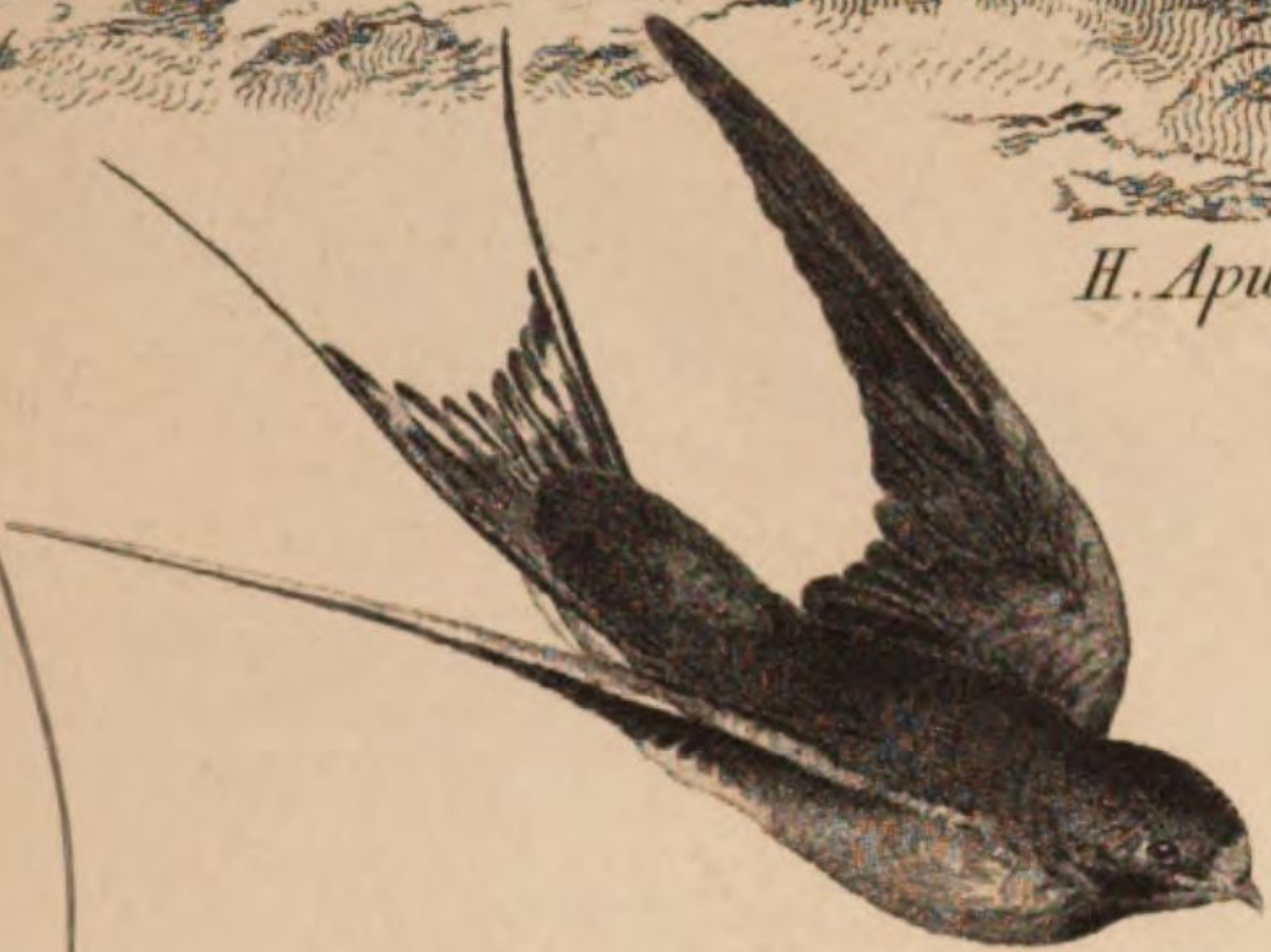
Plate 6.



H. Apus . Swift.



H. Urbica . House Martin.



H. Rustica . Chimney Swallow.



C. Macrodipterus . Leona Goat Sucker.

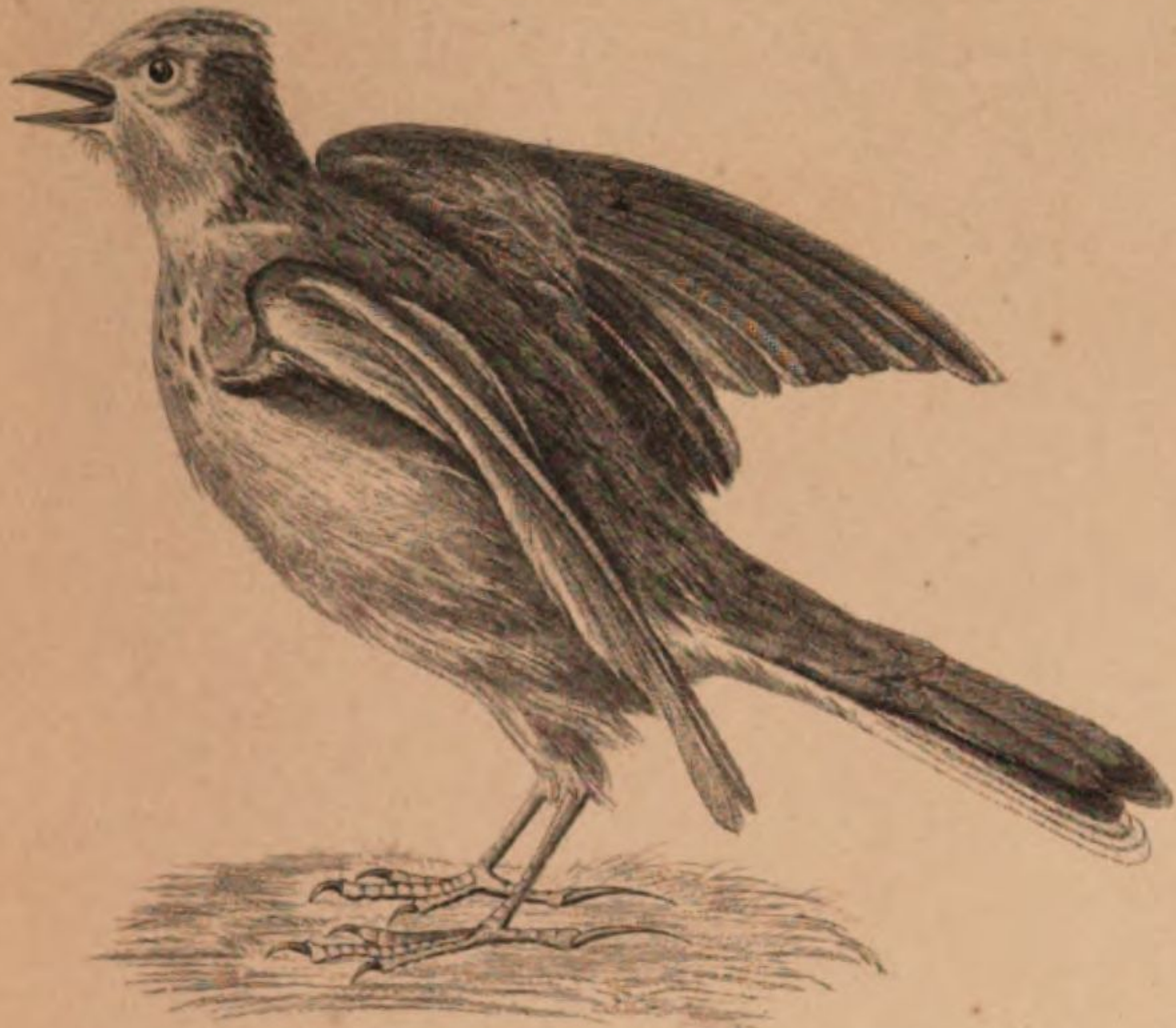


H. Esculenta . Esulent Swallow.



C. Europæus . European Goat Sucker.

Genera. Alauda. Parus. Emberiza. Fringilla. Loxia. Corythus. Paradisæa.



A. Arvensis.—Skylark.



Parus Caudatus—Long tailed Titmouse.



E. Hortulana.—Ortolan.



F. Cælebs.—Chaffinch.



Parad. Apoda.—Emerald Paradise Bird.



L. Curvirostra.—Crossbill.



C. Enudeator.—Pine Grosbeak.

Genera. Sitta, Xenops, Certhia, Echodroma, Trochilus, Upupa, Merops, Alcedo. Family. Temnirostris, Syndactylæ.



S. Europæa. Nuthatch.



C. Familiaris. Creeper.



X. Rutilans.



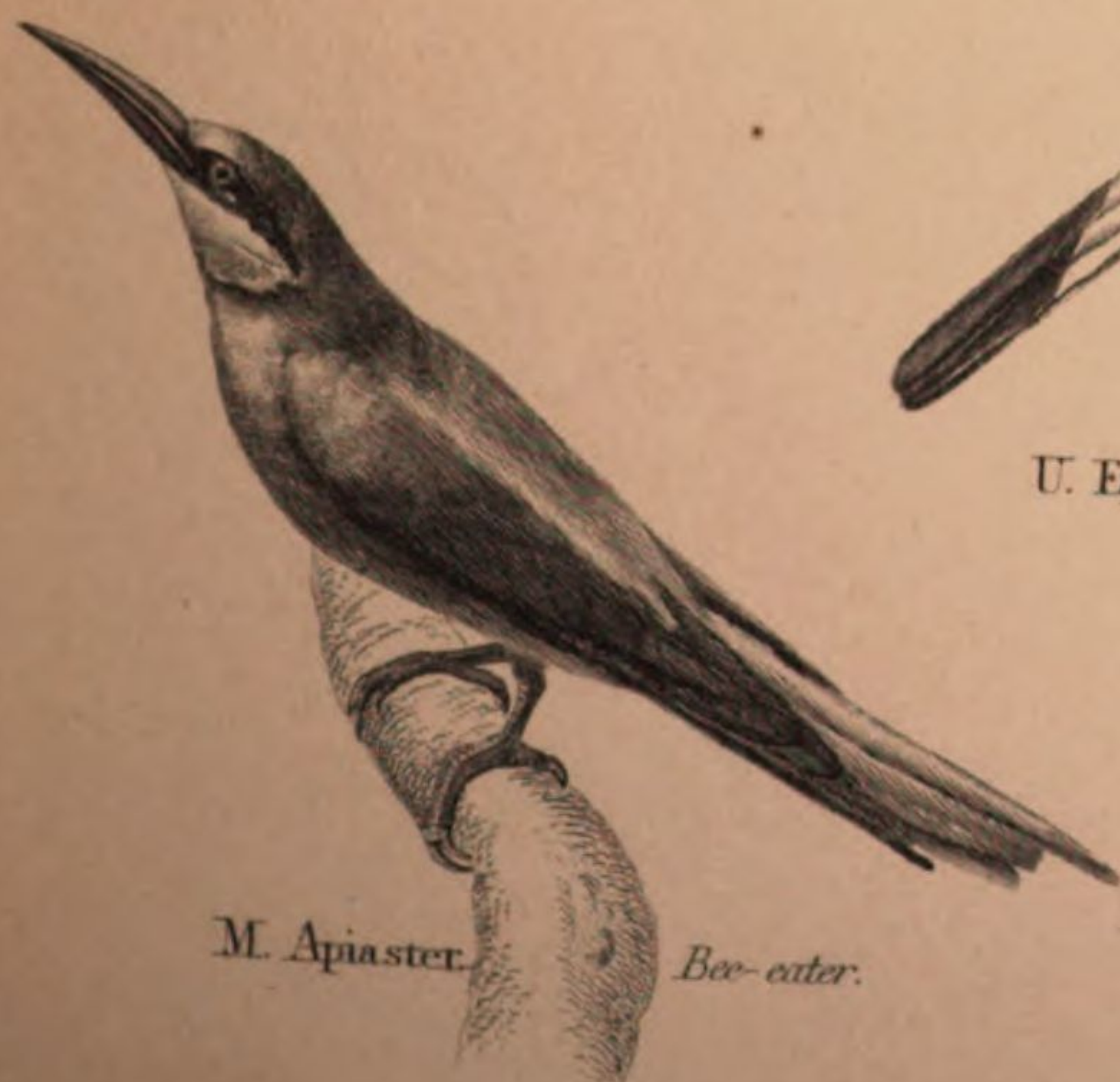
Ech. Muraria. Wall Creeper.



Troch. Delalandi.
Delalande's Humming Bird.



U. Epops. Hoopoe.



M. Apiaster. Bee-eater.



A. Ispida. Kingfisher.



G. Macroura. Long-tailed Jacamar.



G. Grandis. Great Jacamar.



P. Martius.
Great Black Woodpecker.



P. Tridactylus. Southern three-toed Woodpecker.



Y. Torquilla. Wryneck.



Picum. Minutissimus.



P. Aracanga. Scarlet Macaw.



P. Solstitialis. Angola Yellow Parakeet.



P. Erythacus. Grey Parrot.



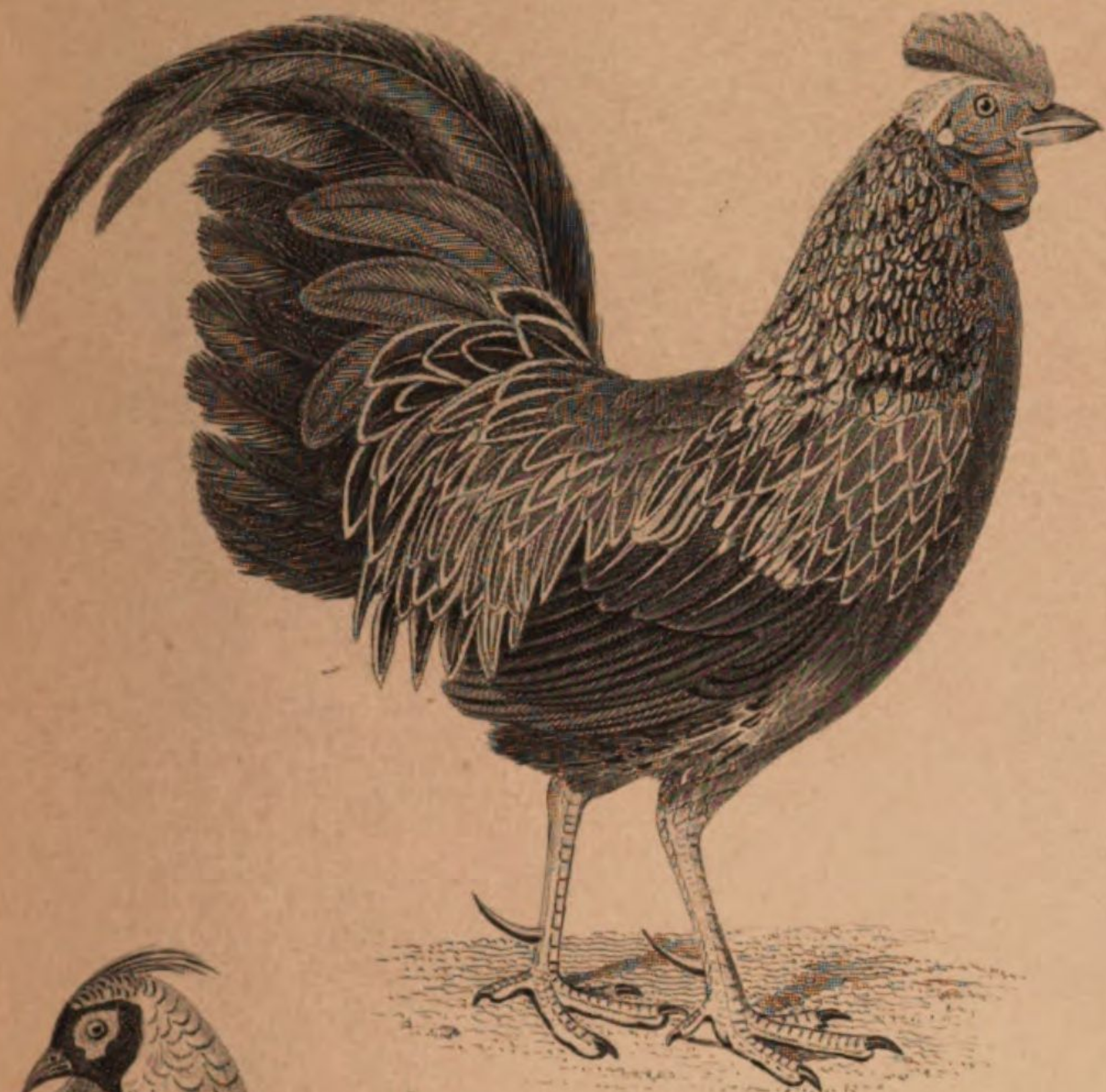
P. Pileatus. Bonneted Psittacule.



P. Nasicus. Long-nosed Cockatoo.



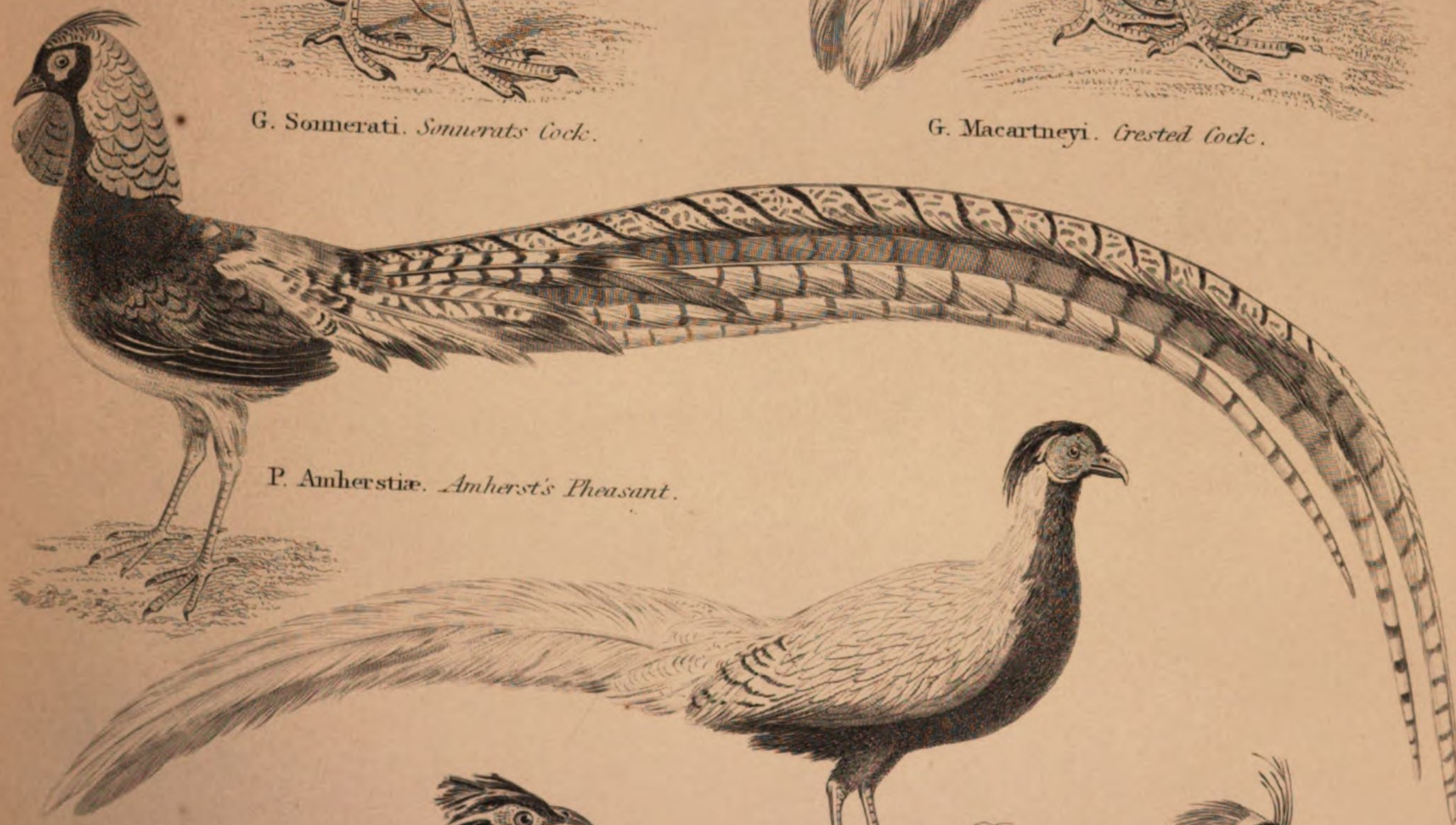
P. Goliath. Grey Small-tongued Parrot.



G. Somerati. Sonnerats Cock.



G. Macartneyi. Crested Cock.



P. Amherstiae. Amherst's Pheasant.



P. Nycthemerus. Silver Pheasant.



T. Satyrus. Nepal Horned Pheasant.



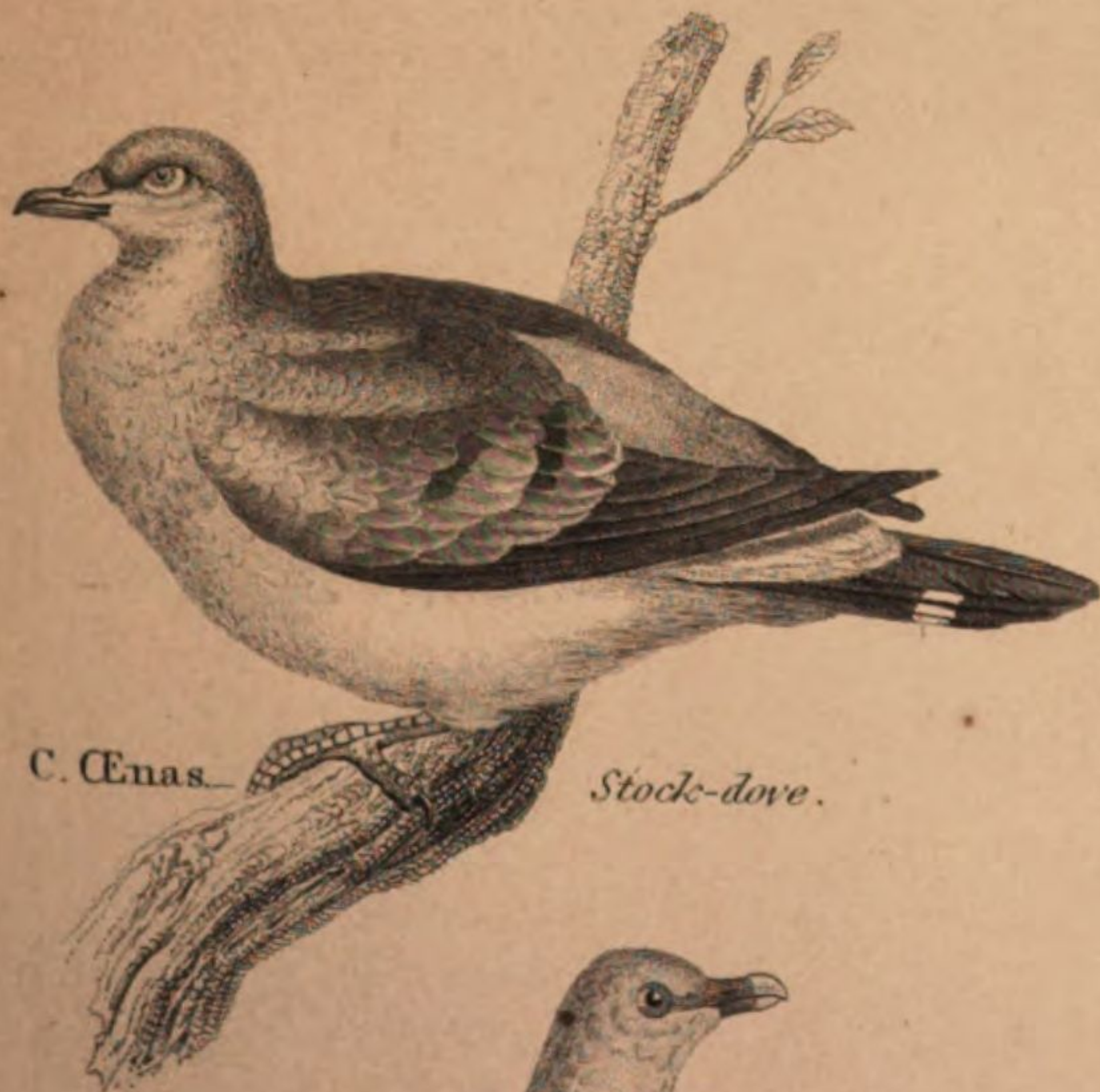
C. Coronatus.



C. Carunculata. Carunculated Pigeon.



C. Coronata. Crowned Pigeon.



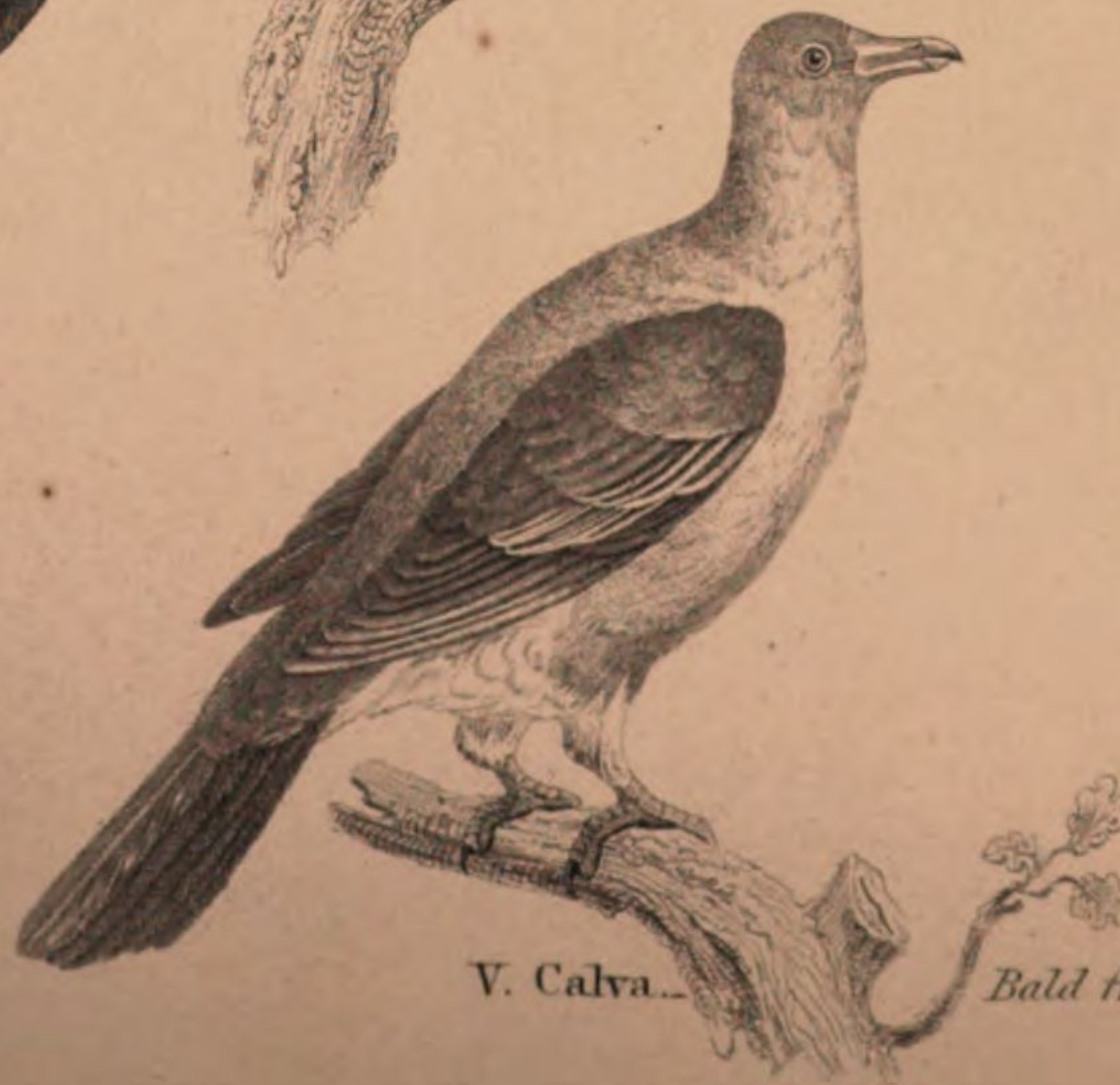
C. Cenas. Stock-dove.



C. Leucocephala. Whiteheaded Pigeon.



V. Wallia. Abyssinian Pigeon.



V. Calva. Bald fronted Pigeon.





S. Camelus. Ostrich.



R. Americana. Nandu.



C. Galeatus. Cassowary.

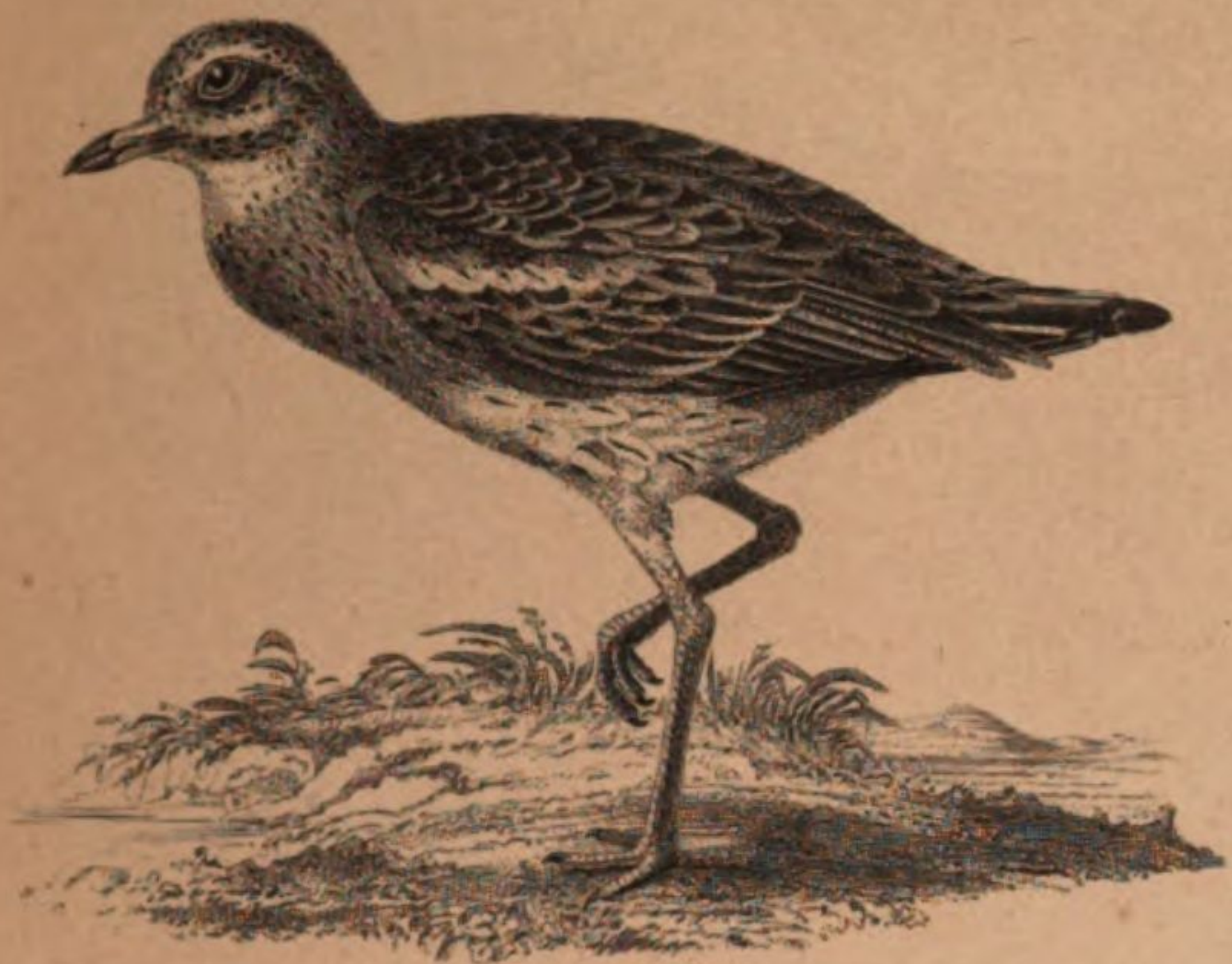


D. Ater. Emu.

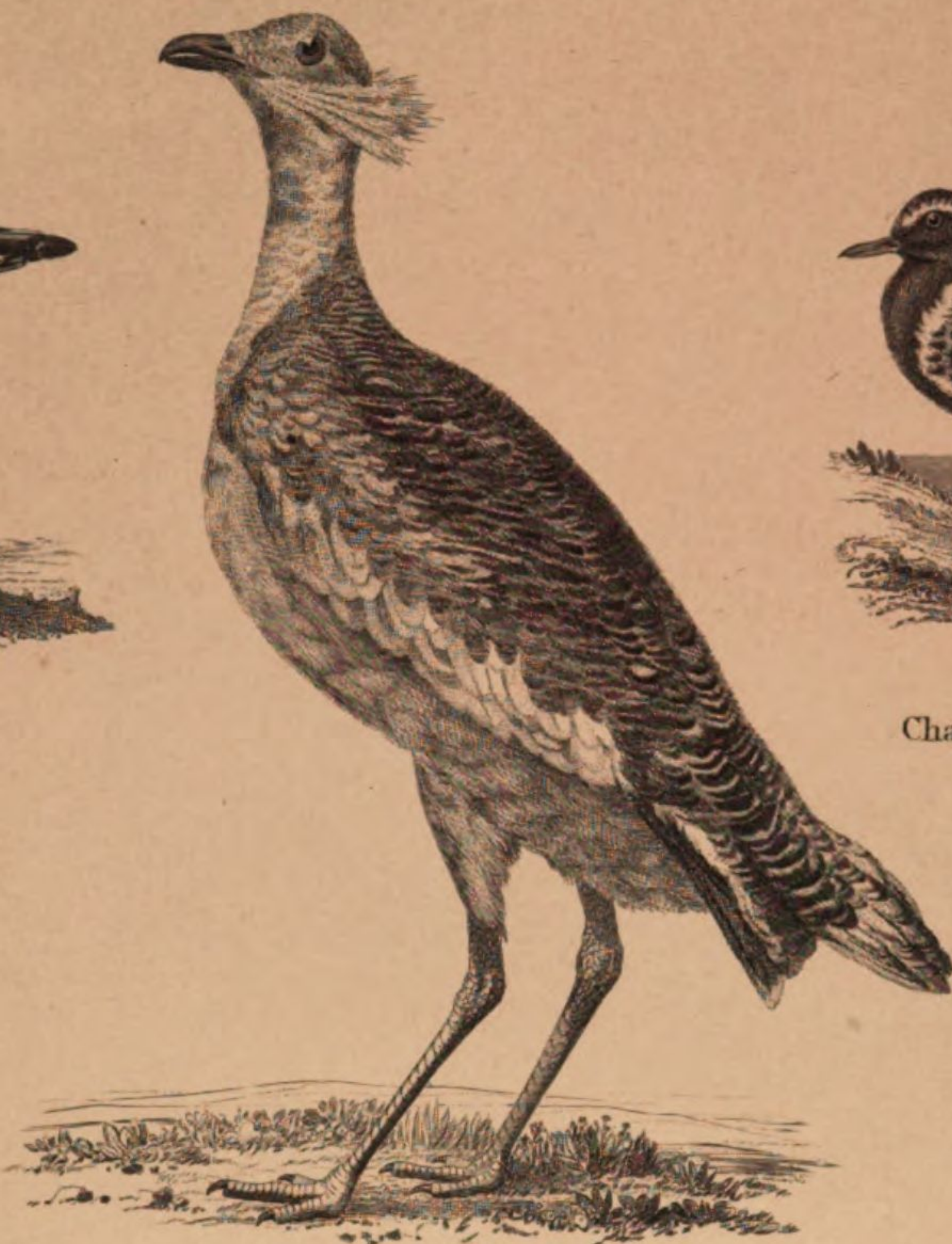
Order: Grallæ.

Genera. Otis, Œdicnemus, Charadrius, Vanellus, Hæmatopus, Cursorius, Dicholophus.

Family. Pressirostres.



Œ. Crepitans. *Common Thick knee.*



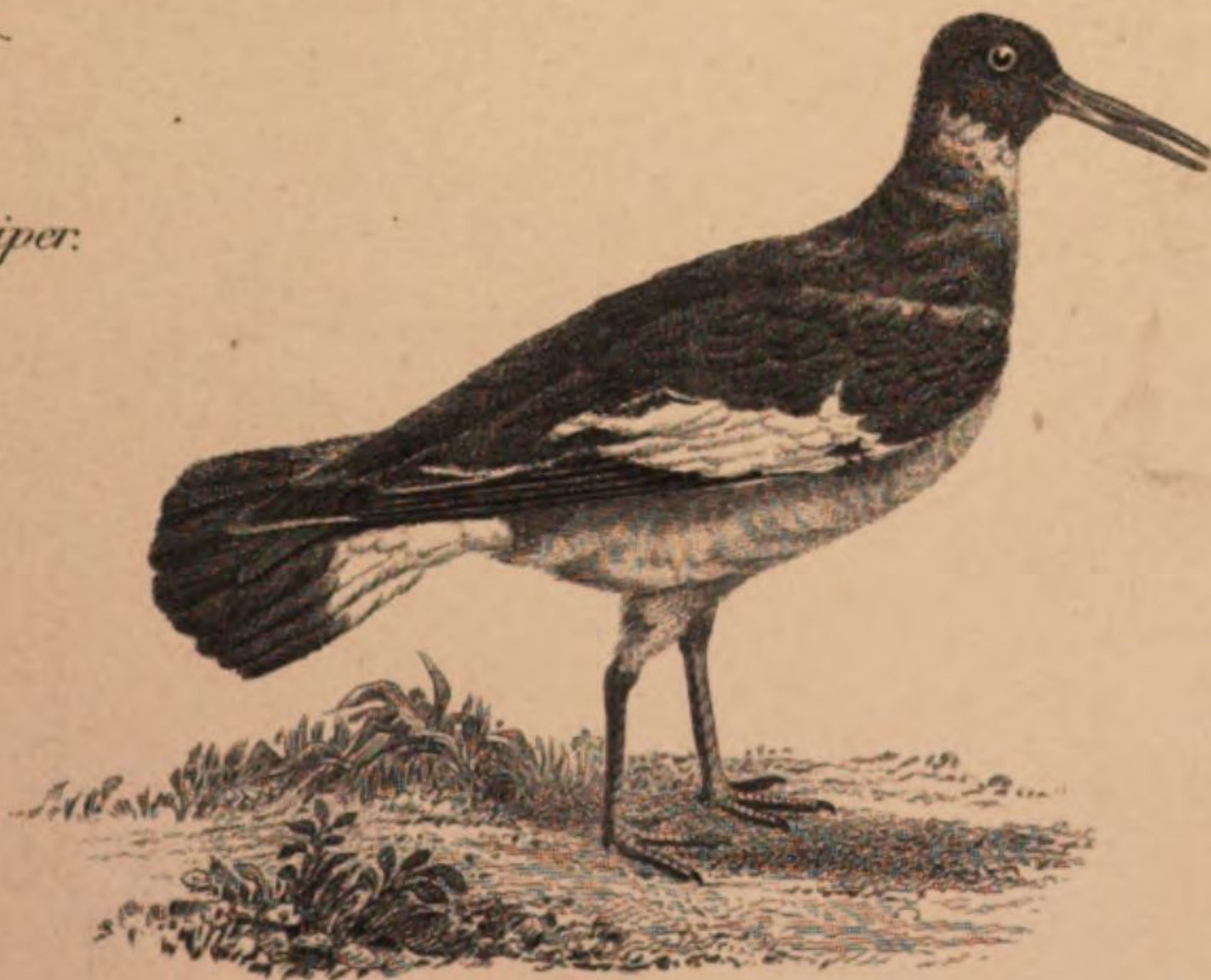
O. Tarda. *Great Bustard.*



Char. Pluvialis. *Golden Plover.*



V. Melanogaster. *Grey Sand piper.*



H. Ostralegus. *Pied Oyster catcher.*



Cur. Chalcopterus. *Bruzen winged Courser.*



D. Cristata. *Marcgrave's Cariama.*

M^{rs} Holmes delin^t



C. Alba. — White Stork.



S. Umbretta. — Tufted Umbre.



M. Senegalensis. — Senegal Jabiru.



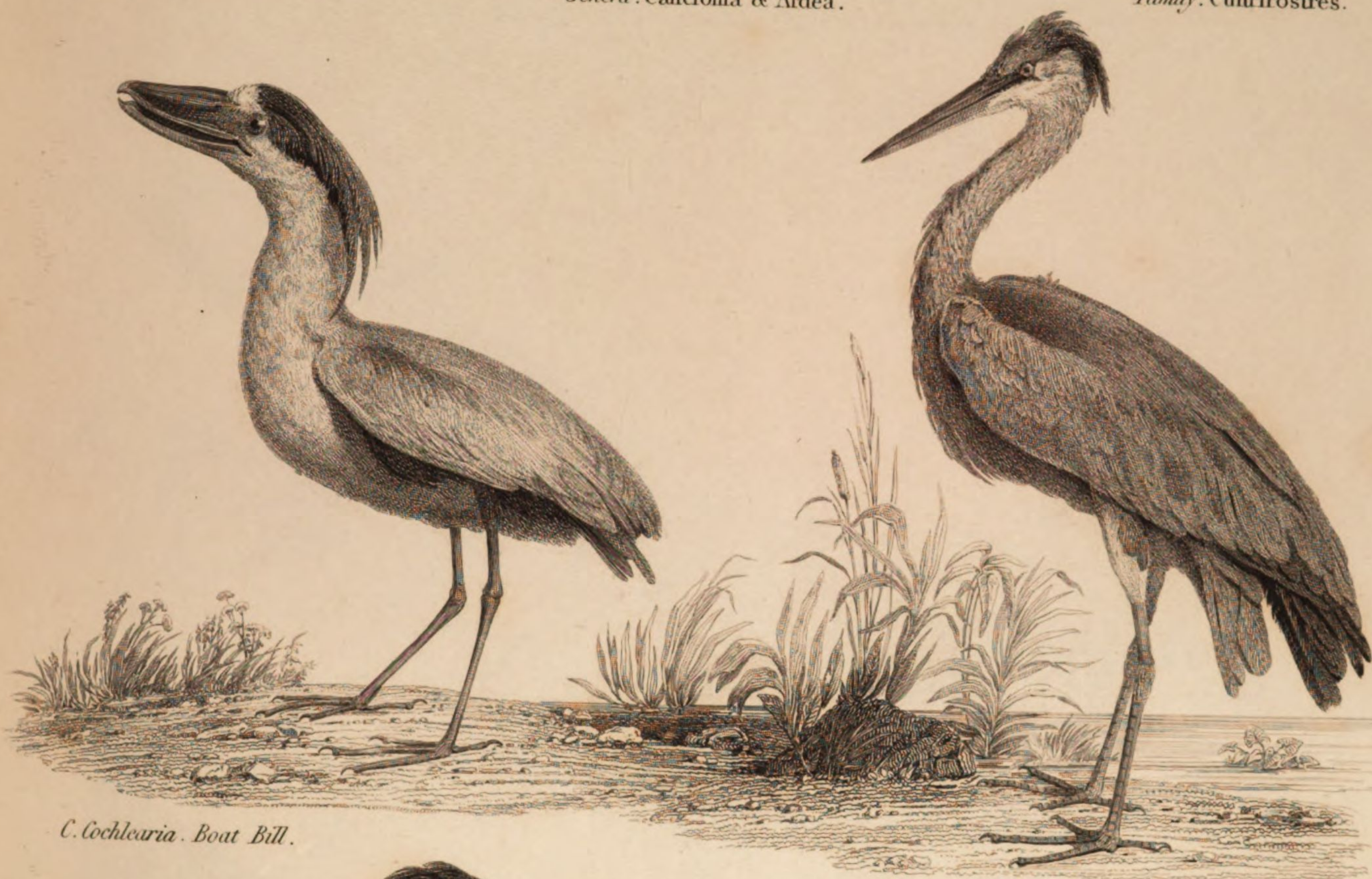
Platalea Ajaja. — Roseate Spoonbill.



T. Lacteus. — Milky Tantalus.

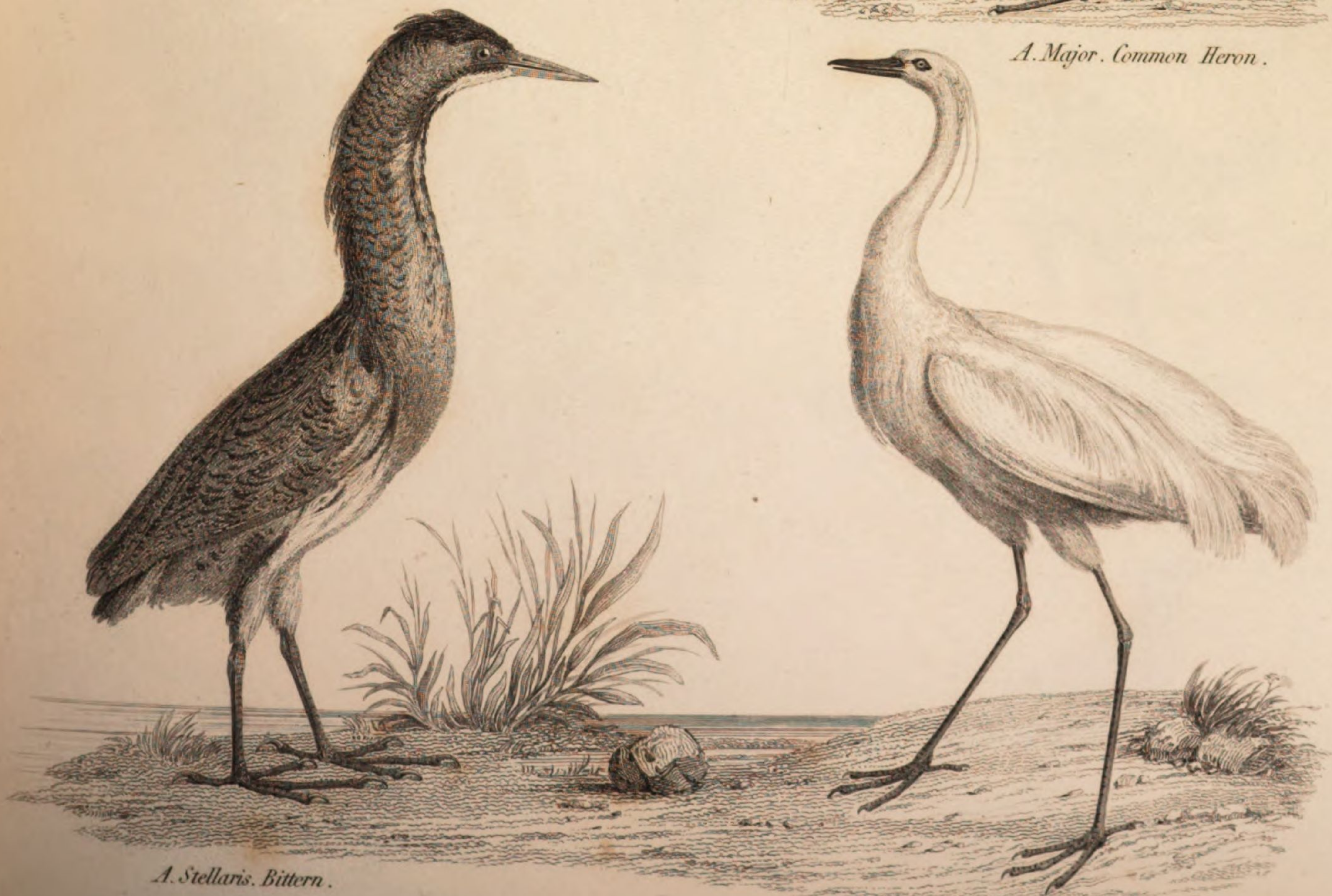


A. Lamelligerus. — Coromandel Erodia.



C. Cochlearia. Bout Bill.

A. Major. Common Heron.

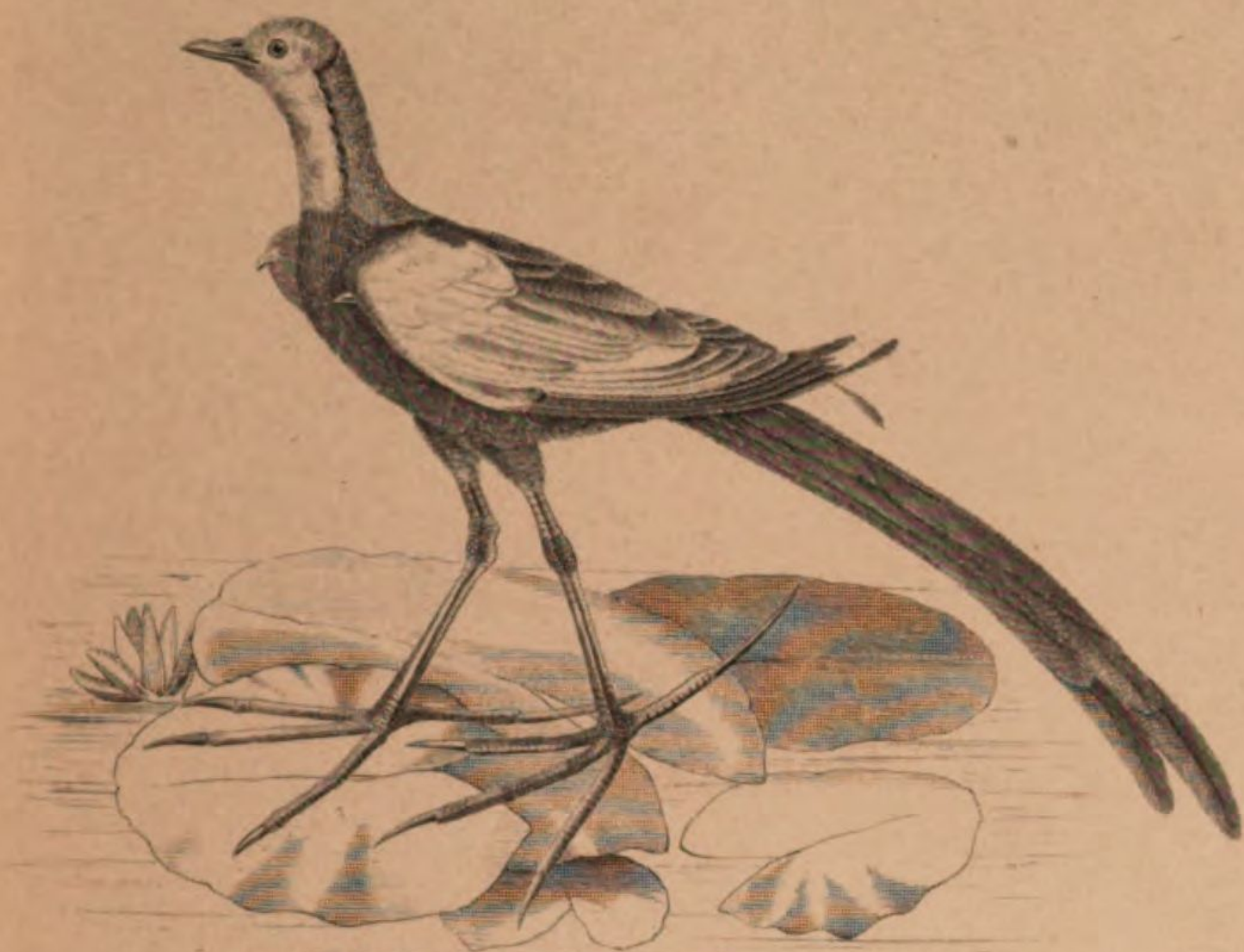


A. Stellaris. Bittern.

A. Egretta. Great Egret.

Genera. Parra, Palamedea, Megapodius, Porphyrio, Chionis, Glareola, Phœnicopterus.

Family. Macrodictylæ



Parr. Chinensis. — Chinese Jacana.



Pal. Cornuta. — Horned Screamer.



M. Freycineti. — Freycinet's Mankirio.



Phœn. Ruber. — Red Flamingo.



Porph. Pulverulentus.



C. Necrophaga. — White Sheathbill.



G. Torquata. — Collared Pratincole.

177

177



AVES.

PLATE 21.

Order. Palmipedes.

Genera. Podiceps, Podoa, Colymbus, Fratricula, Alca, Aptenodytes.

Family. Brachypteres.



P. Cornutus — Horned Grebe.



Podia Senegalensis — Senegal Coot-grebe.



C. Glacialis — Northern Diver.



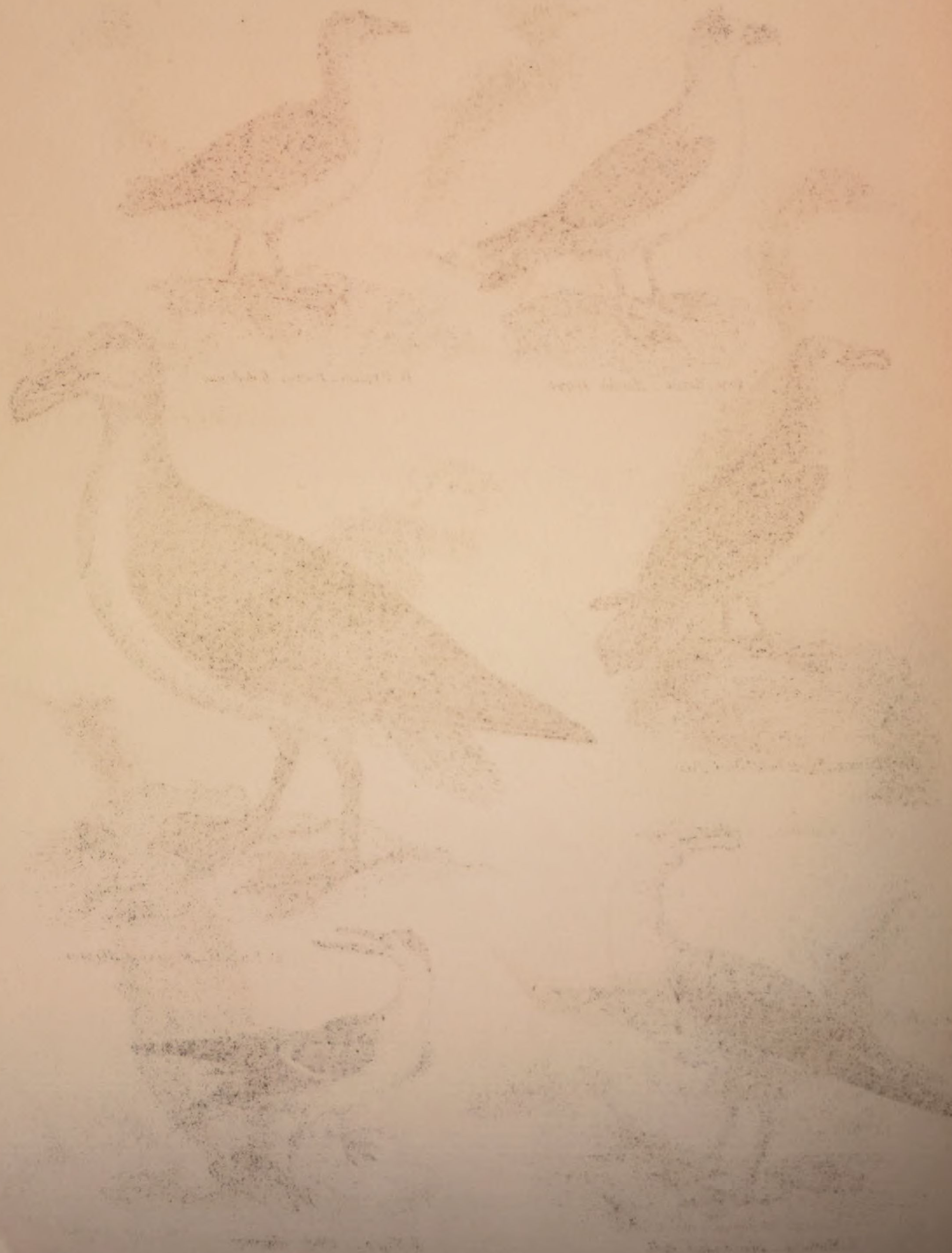
F. Mormon — Puffin.



Al. Impennis — Great Auk.



Apt. Patagonica — Patagonian Penguin.



Gen. Procellaria, Haladroma, Pachyptila, Diomedea, Larus, Rhyncops.

Family. Longipennes.



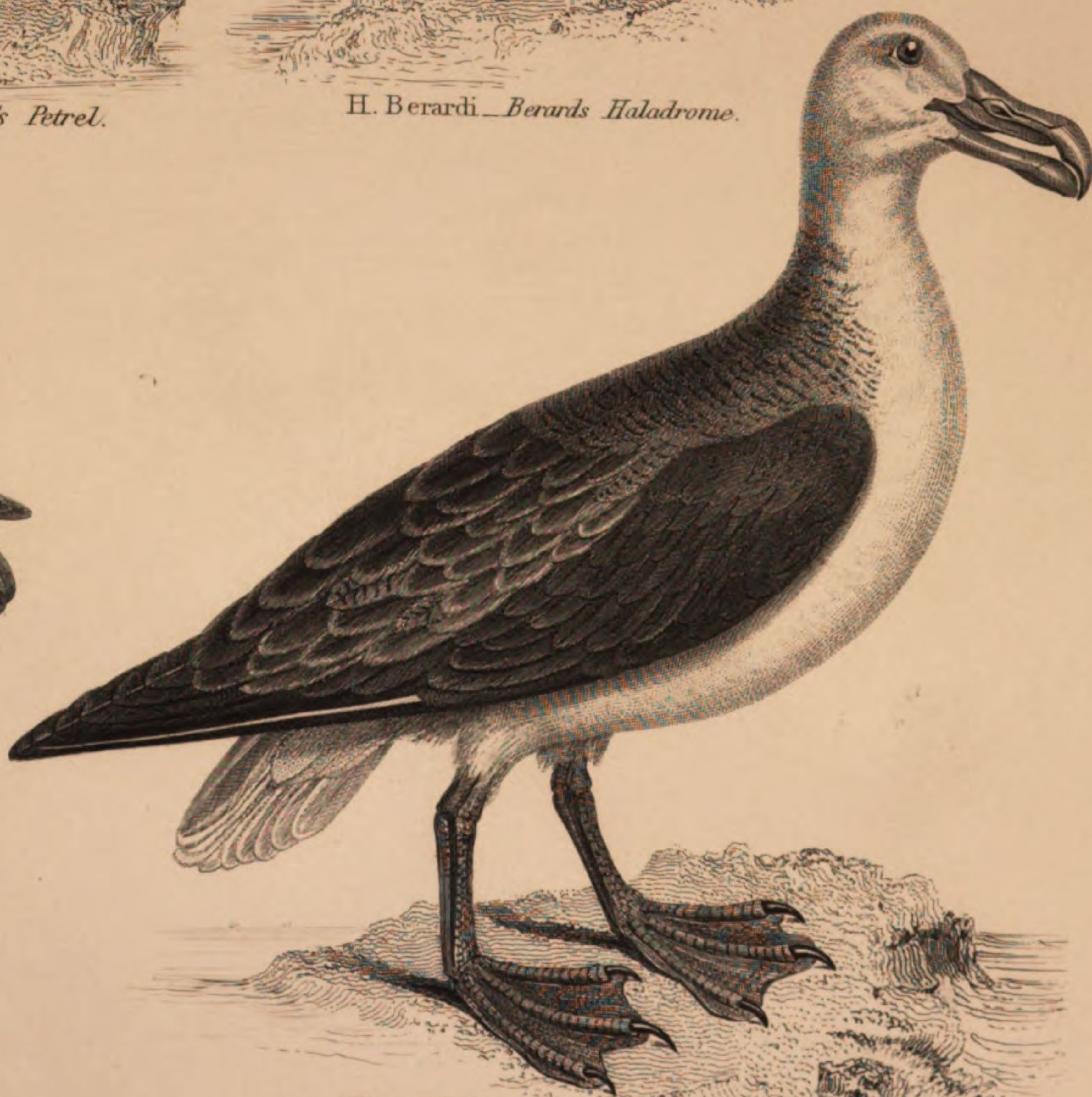
Proc. Hartie — Hartie's Petrel.



H. Berardi — Berardi's Haladrome.



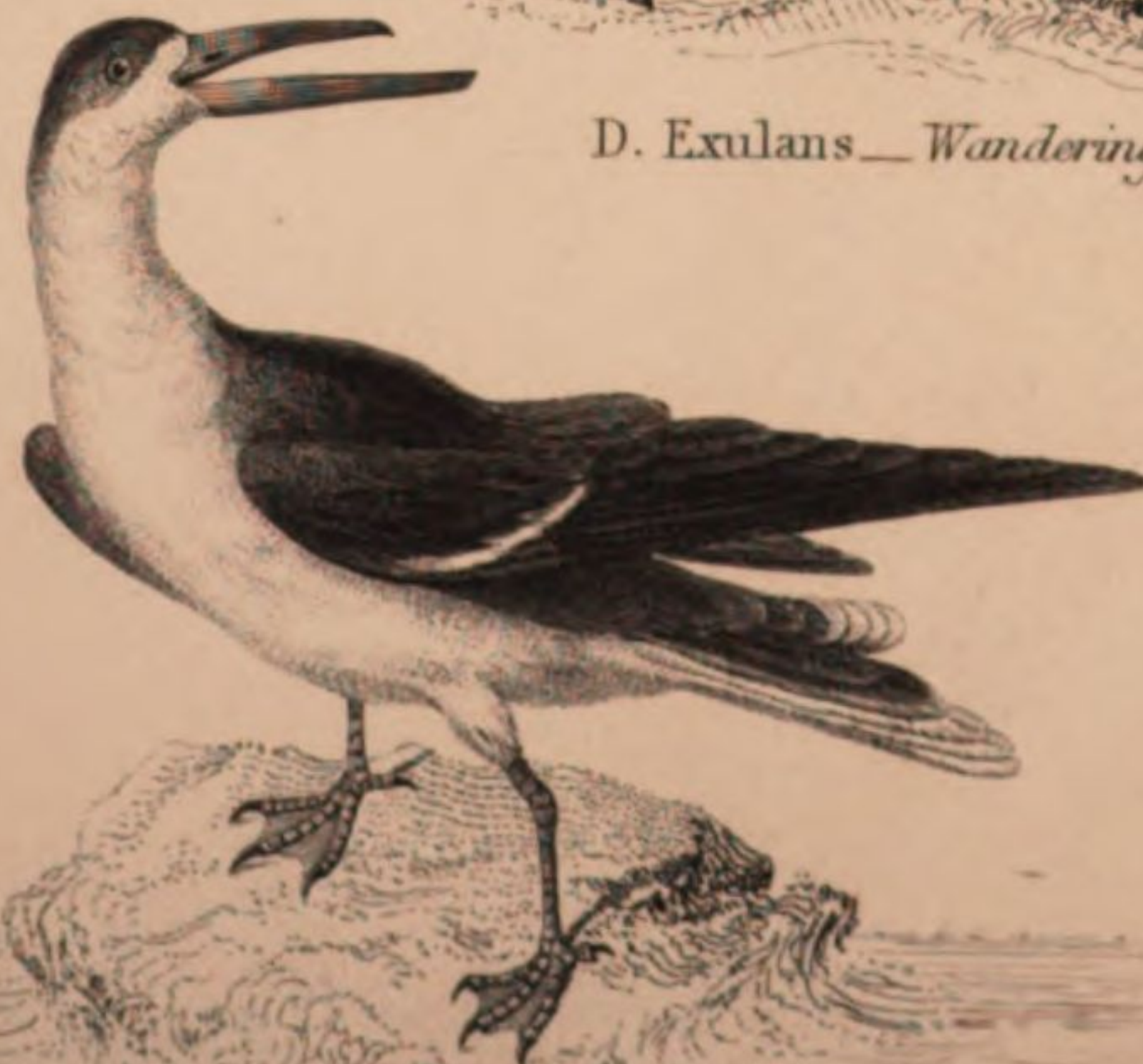
Pach. Vittata — Broadbilled Prion.



D. Exulans — Wandering Albatross.



L. Marinus — Blackbacked Gull.



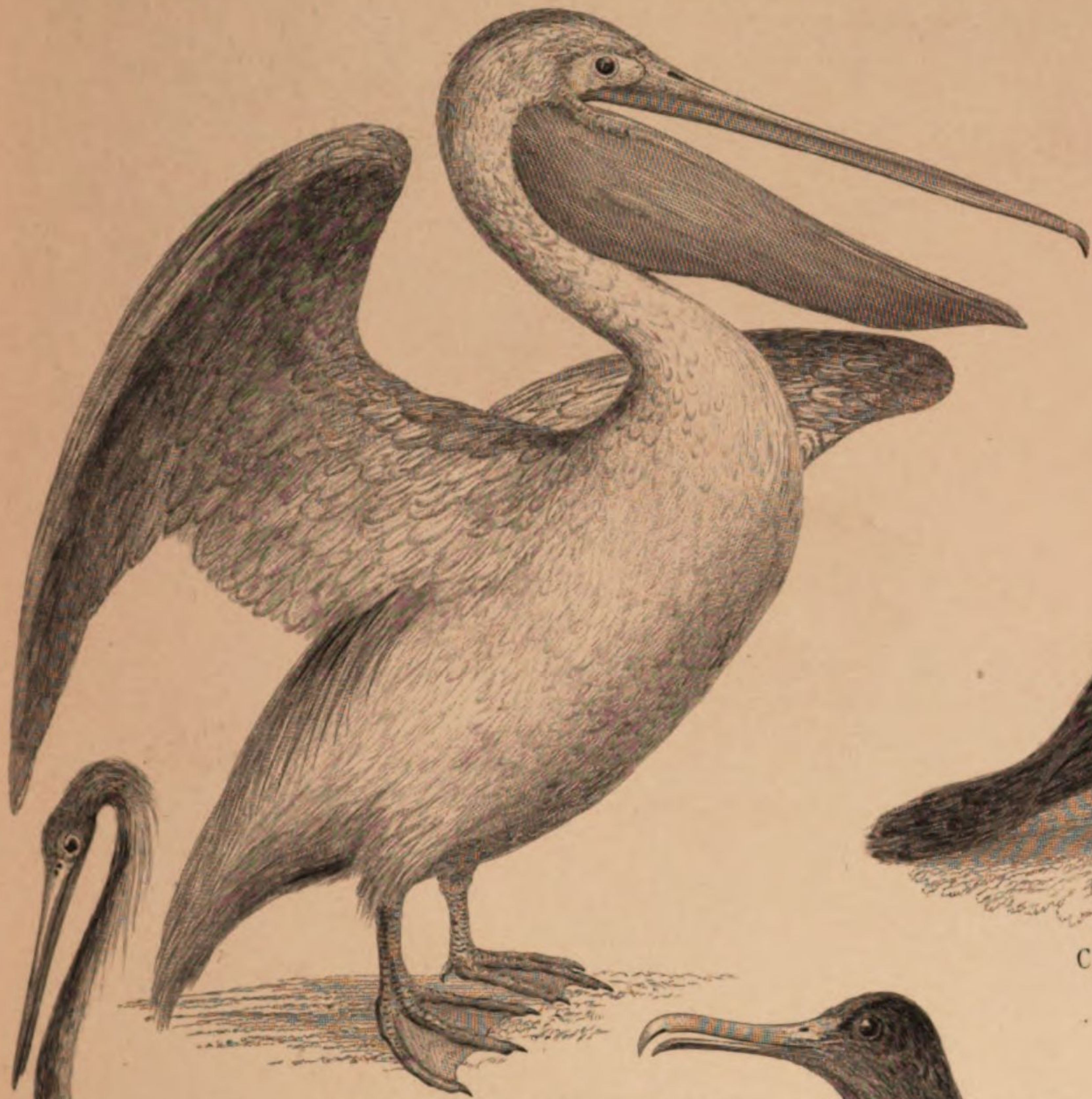
R. Nigra — Black Skimmer.



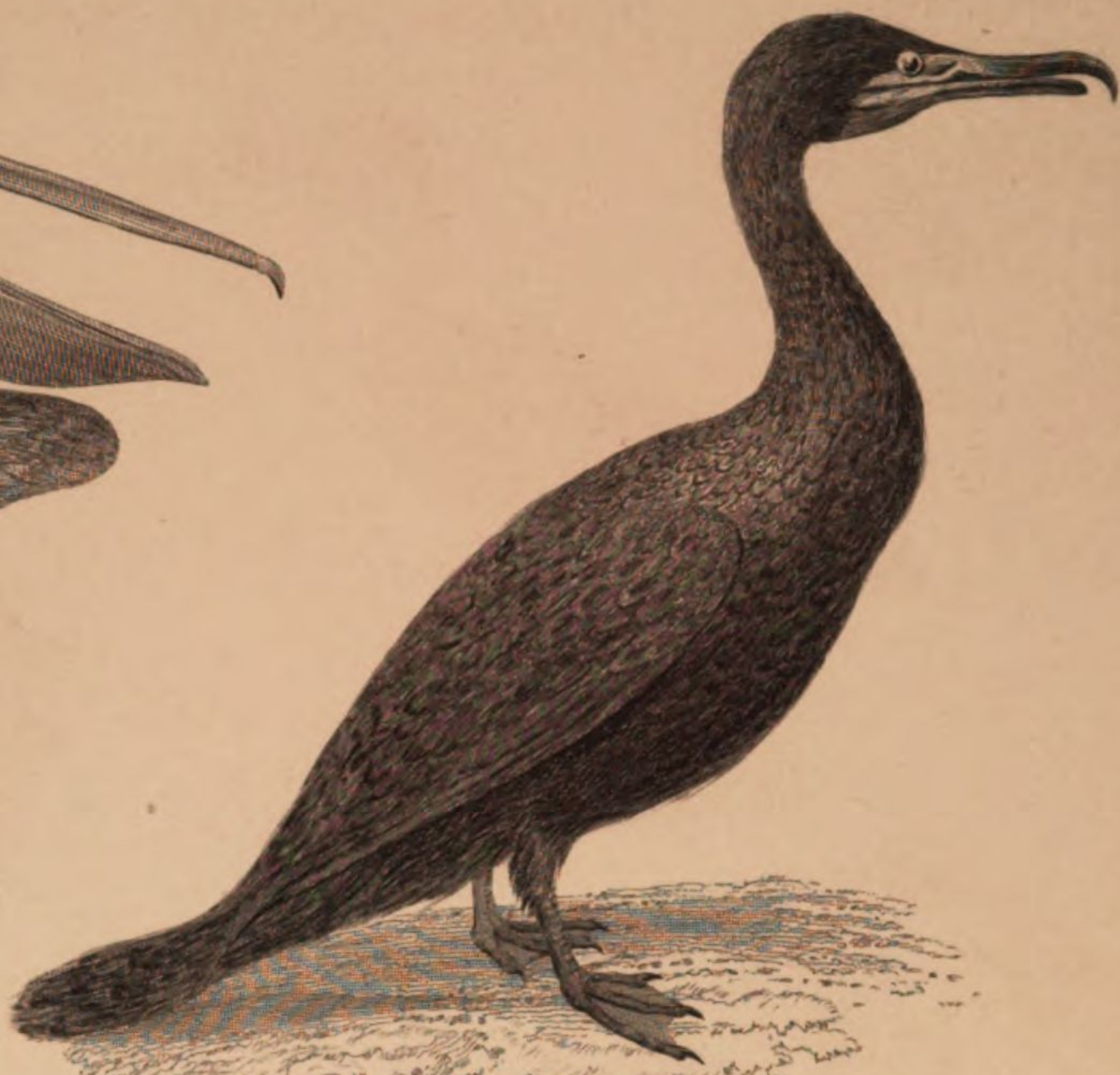
Order. Palmipedes.

Gen. Pelecanus, Carbo, Tachypetes, Sula, Plotus, Phaeton.

Family. Steganopodes.



Pel. Onocrotalus — Common Pelican.



C. Cormoramus — Cormorant.



Pl. Le Vaillantii — Le Vaillant's Darter.



T. Aquilus — Great Frigate-bird.



S. Alba — White Gannet.



P. Phoenicurus — Red-tailed Tropic-bird.



AVES.

PLATE 24

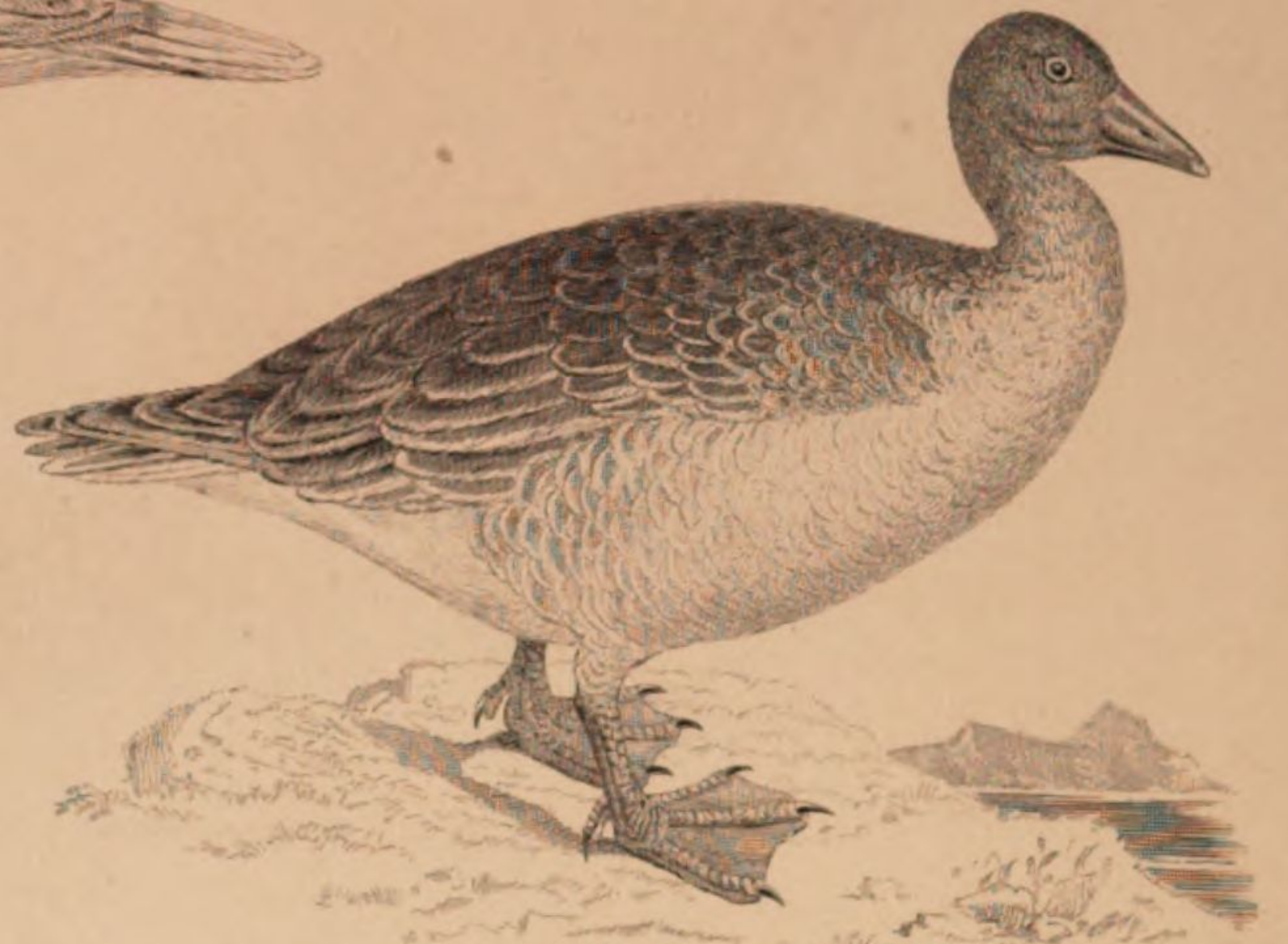
Order. Palmipedes.

Genera. Cygnus, Anser, Cereopsis, Anas, Hydrobates, Mergus.

Family. Lamellirostres.



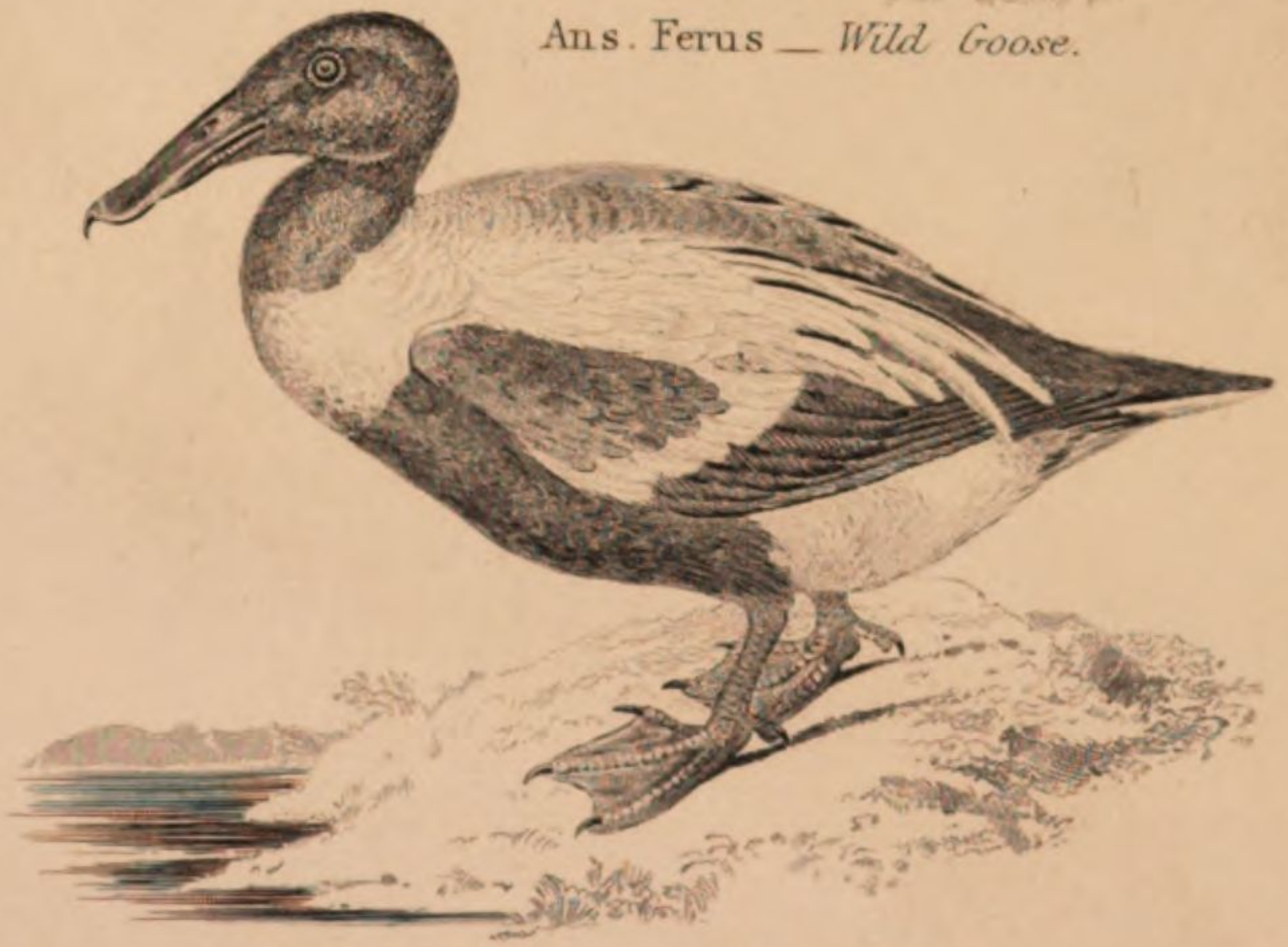
C. Musicus — Wild Swan.



Ans. Feras — Wild Goose.



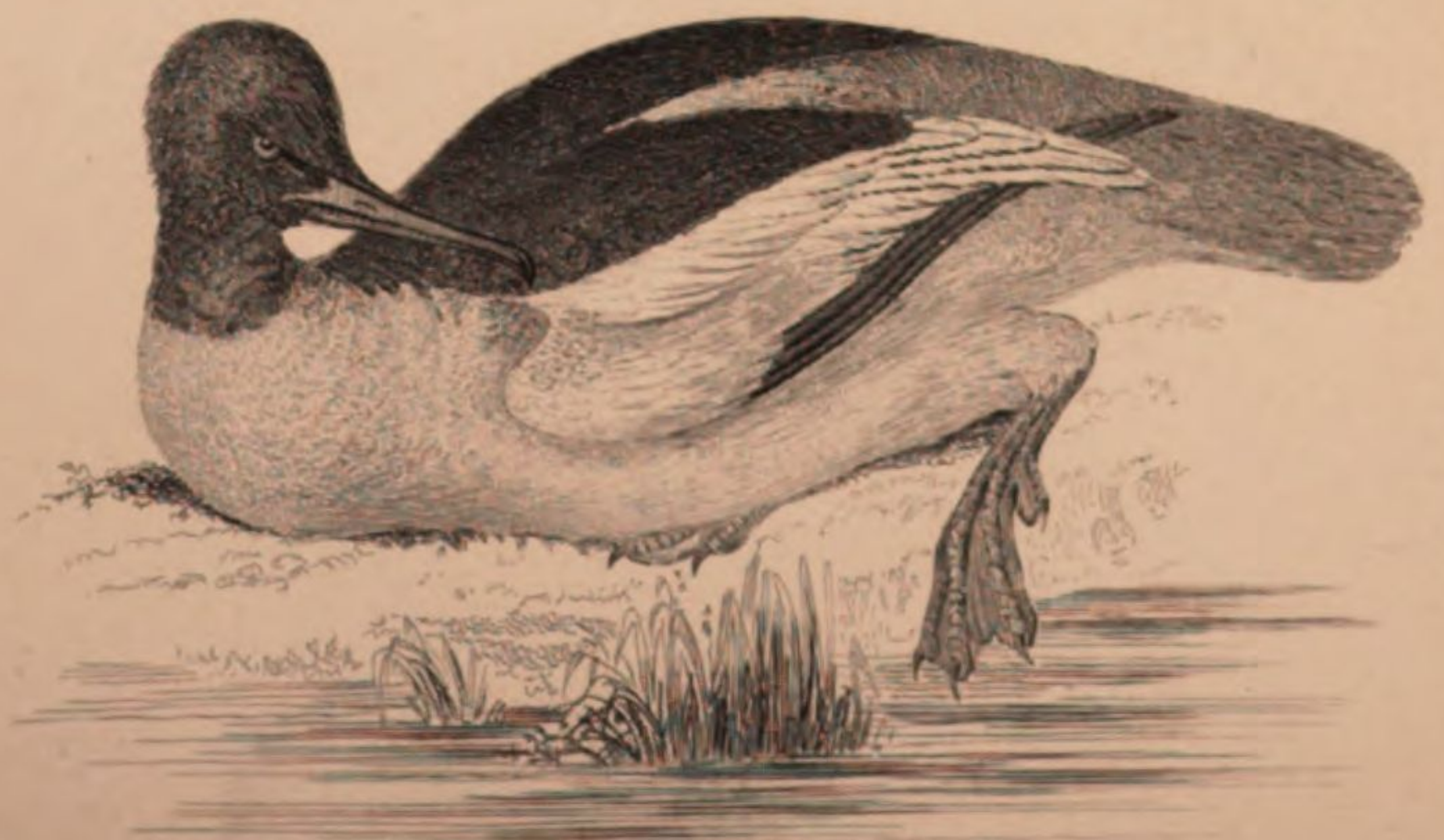
Cer. Novae Hollandiae — New Holland Pigeon Goose



An. Clypeata — Shoveller.

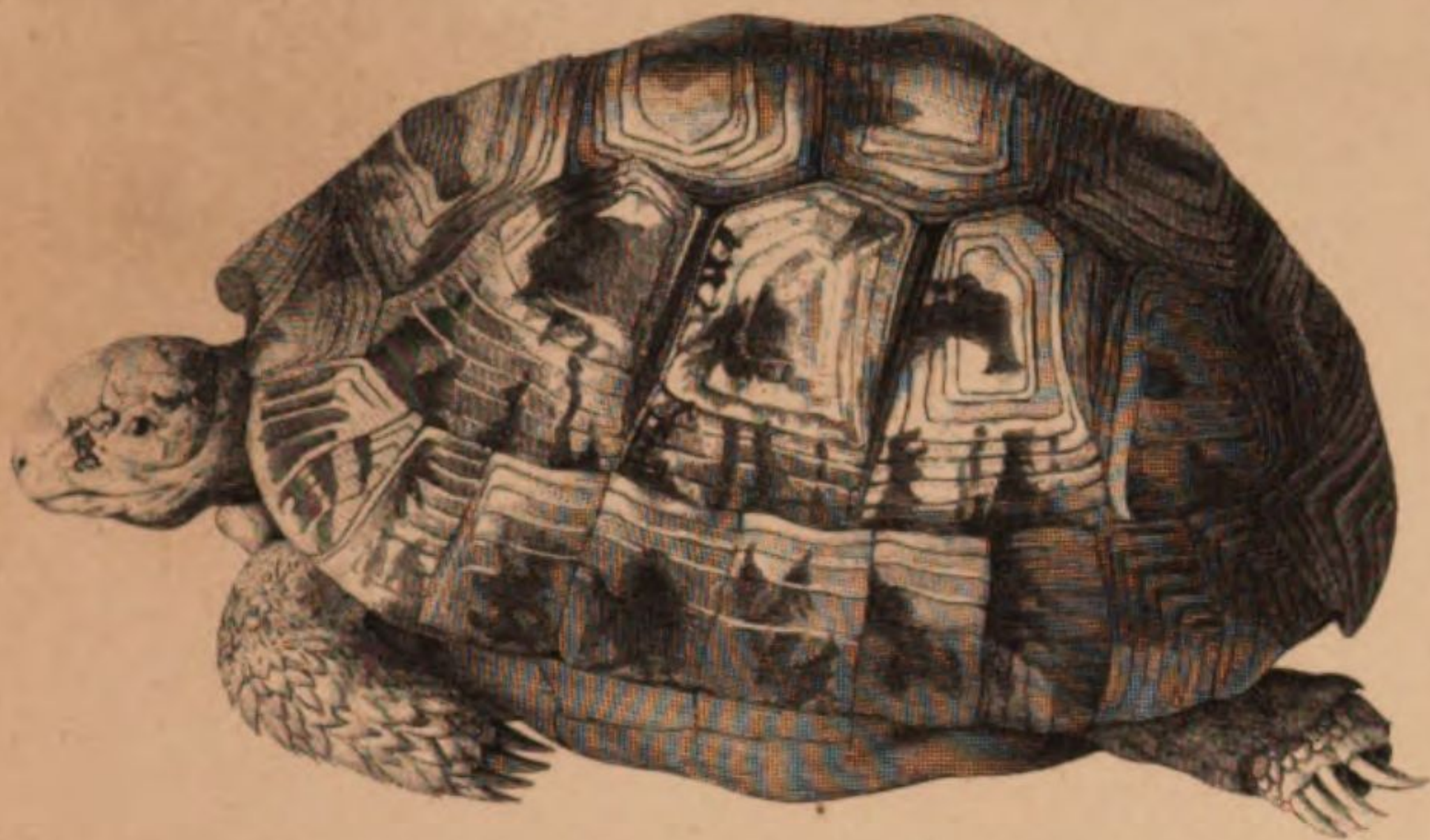


H. Lobatus — Lobated Duck.

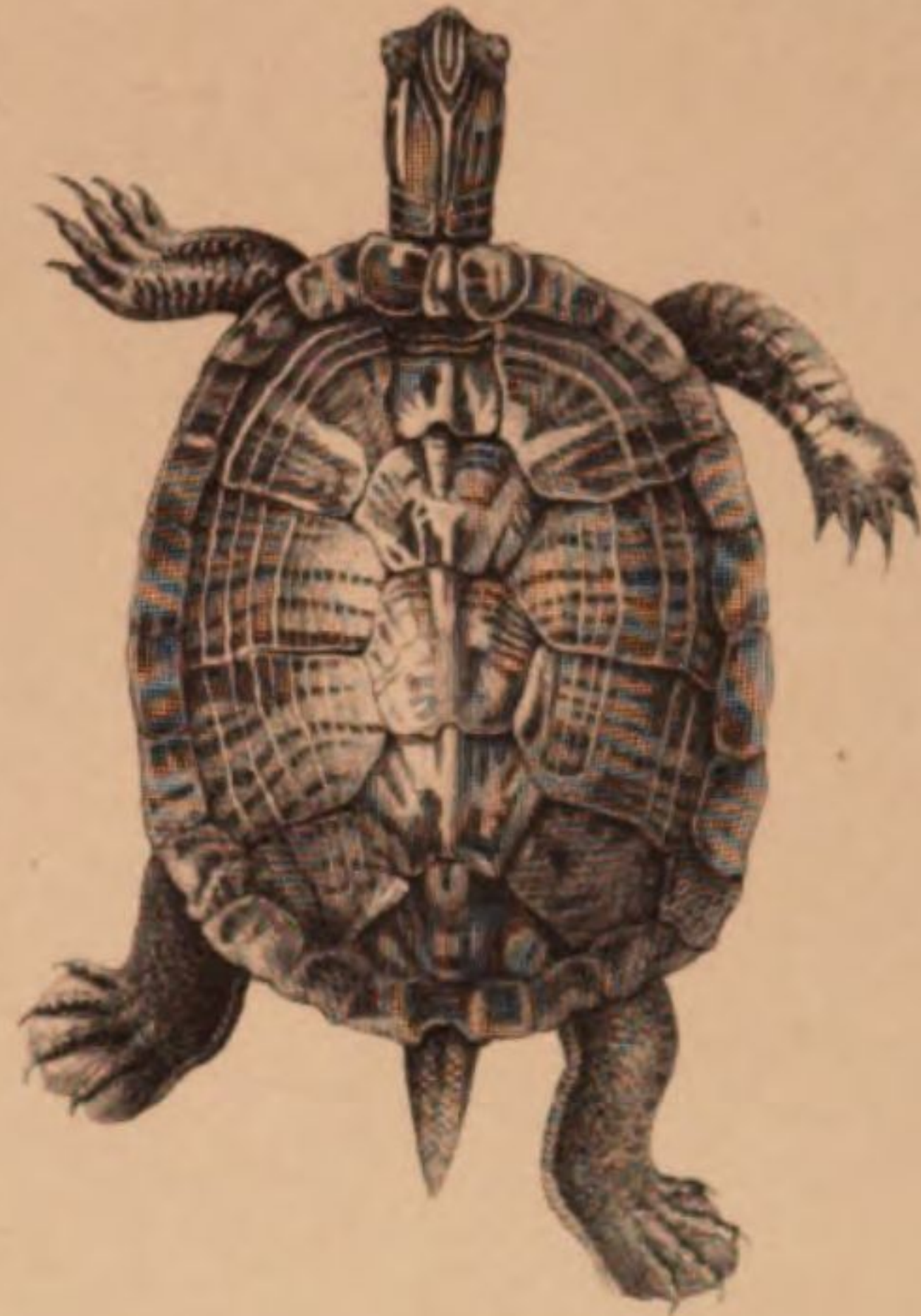


M. Merganser — Goosander.

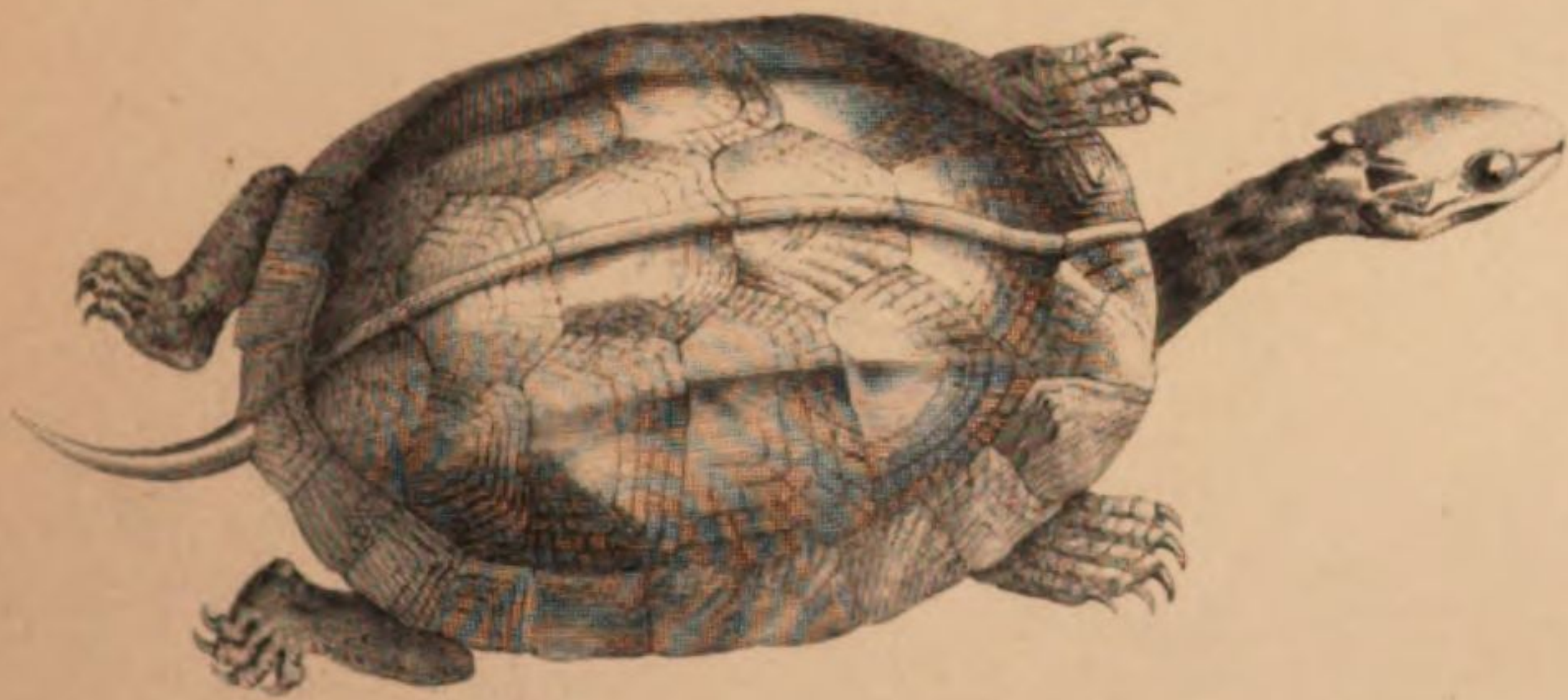
Genera Testudo, Emys, Sternotherus, Chelonia, Chelys, Trionyx.



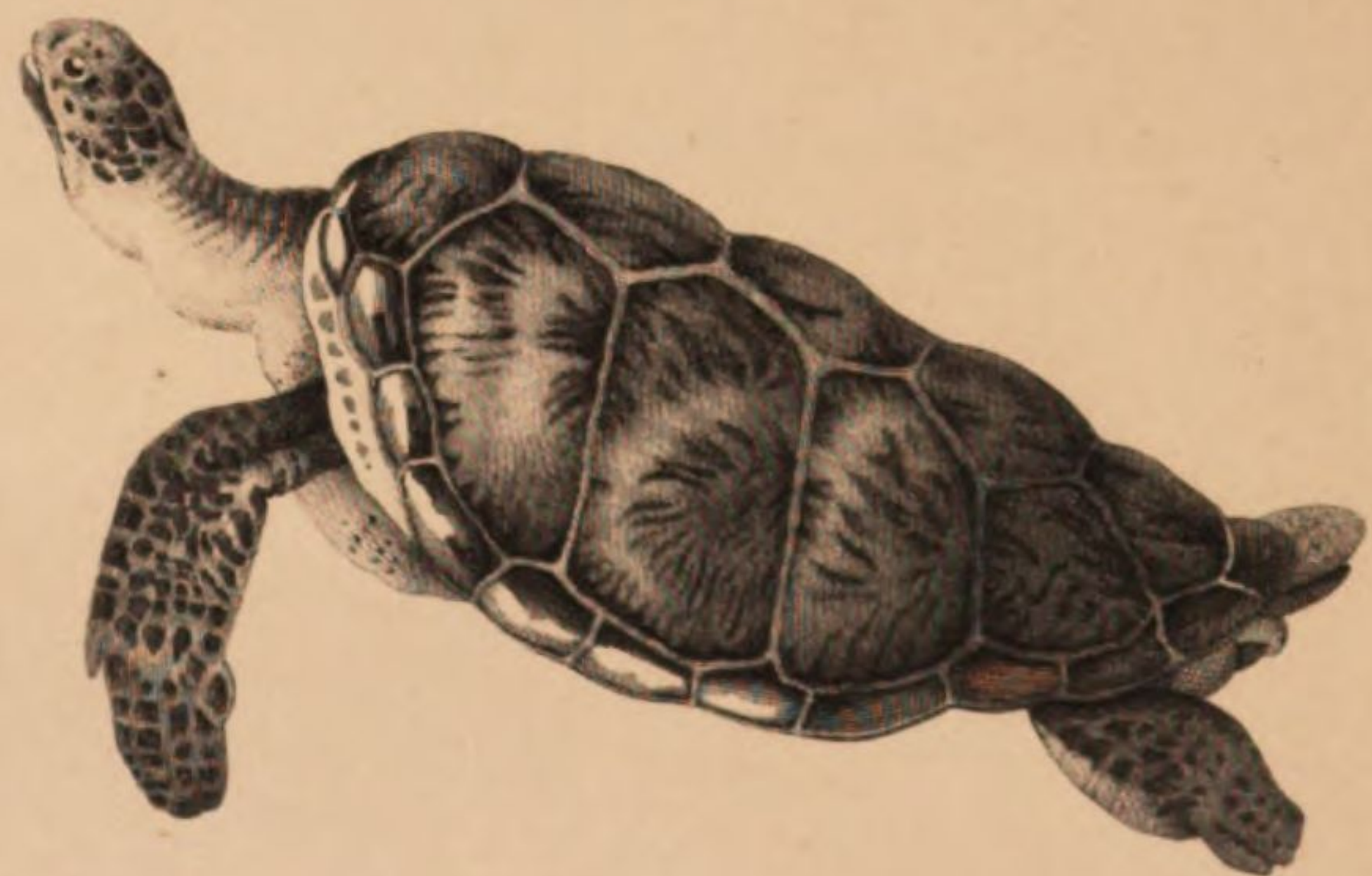
T. Graeca. Common Tortoise



E. Scripta. Written Tortoise.



S. Trifasciatus. Three striped Box Tortoise



C. Virgata. Striped Tortoise



C. Matamata. Fimbriated Tortoise



T. Niloticus. Nilotic three toed Tortoise



Elongation of the snout

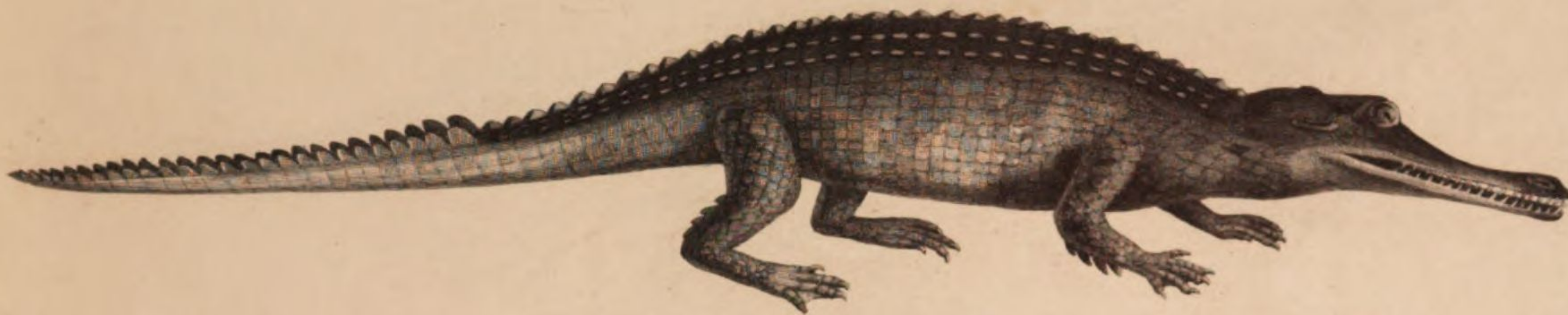
REPTILIA

Plate II

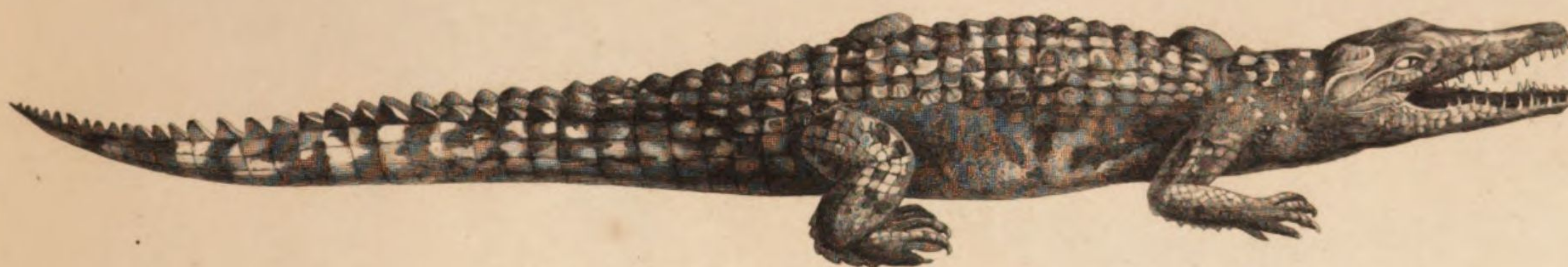
Order Sauria

Family Crocodilida

Genus Crocodilus



1. *C. Longirostris*. Indian Crocodile



2. *C. Vulgaris*. Nilotic Crocodile



3. *C. Sclerops*. Spectacled Alligator



1

Heads of the above



2



3

REPTILIA

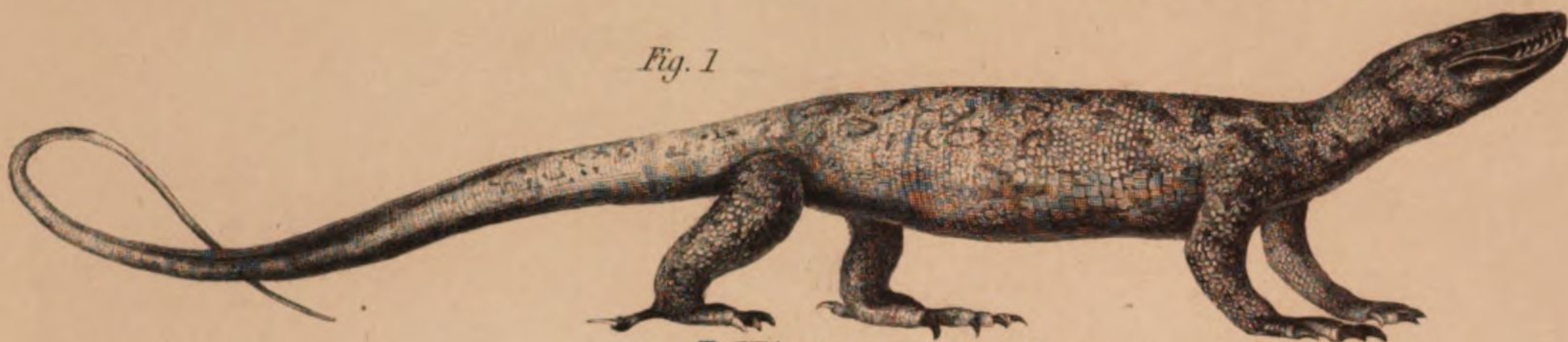
Plate III

Order, Sauria

Family { Lacertida
Iguamba

Genera, Tupinambis, Lacerta, Stellio, Draco, Iguana, Anolis.

Fig. 1



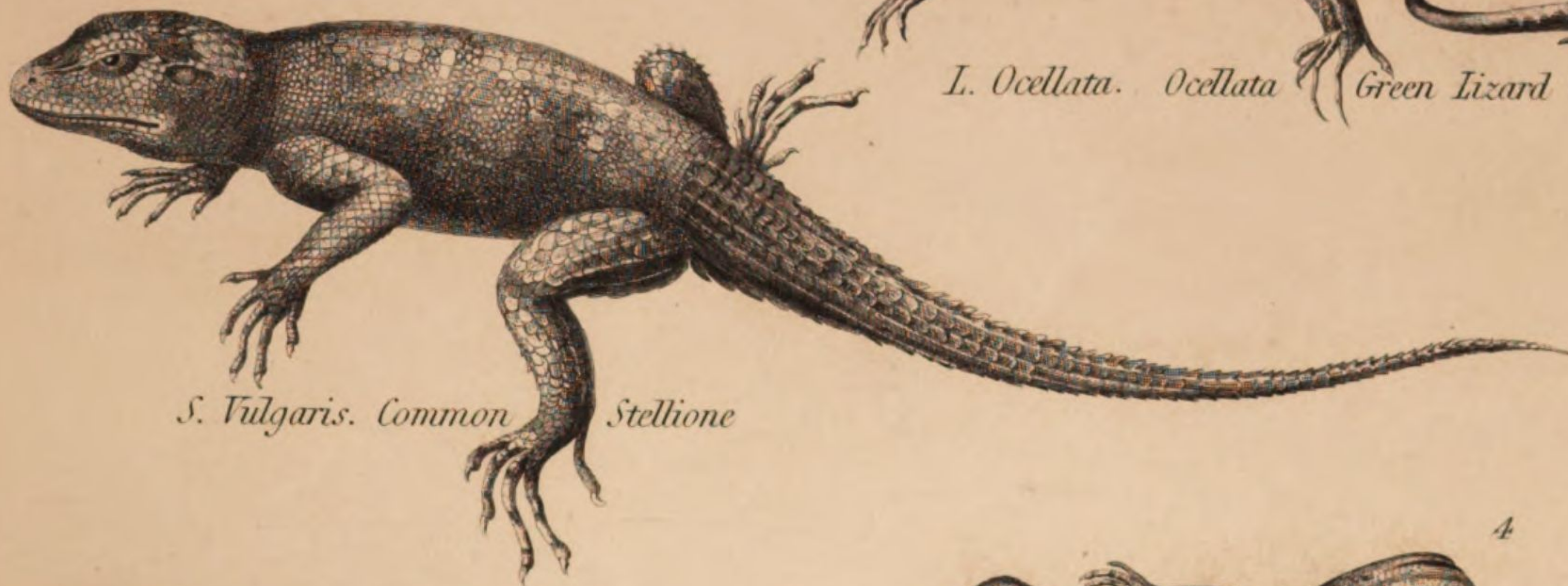
T. Nilotica. Nilotic Ouaran

2



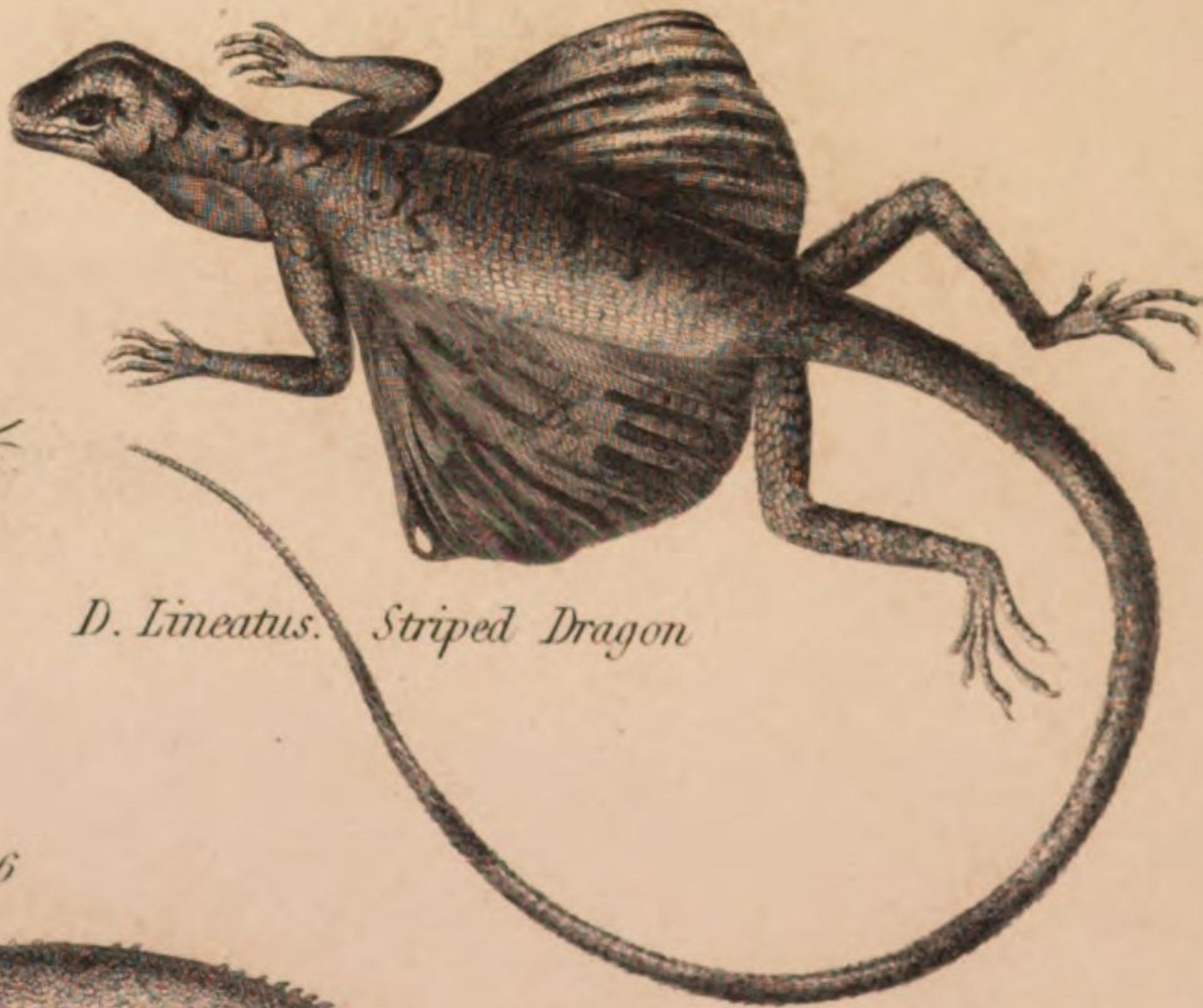
L. Ocellata. Ocellata Green Lizard

3



S. Vulgaris. Common Stellione

4



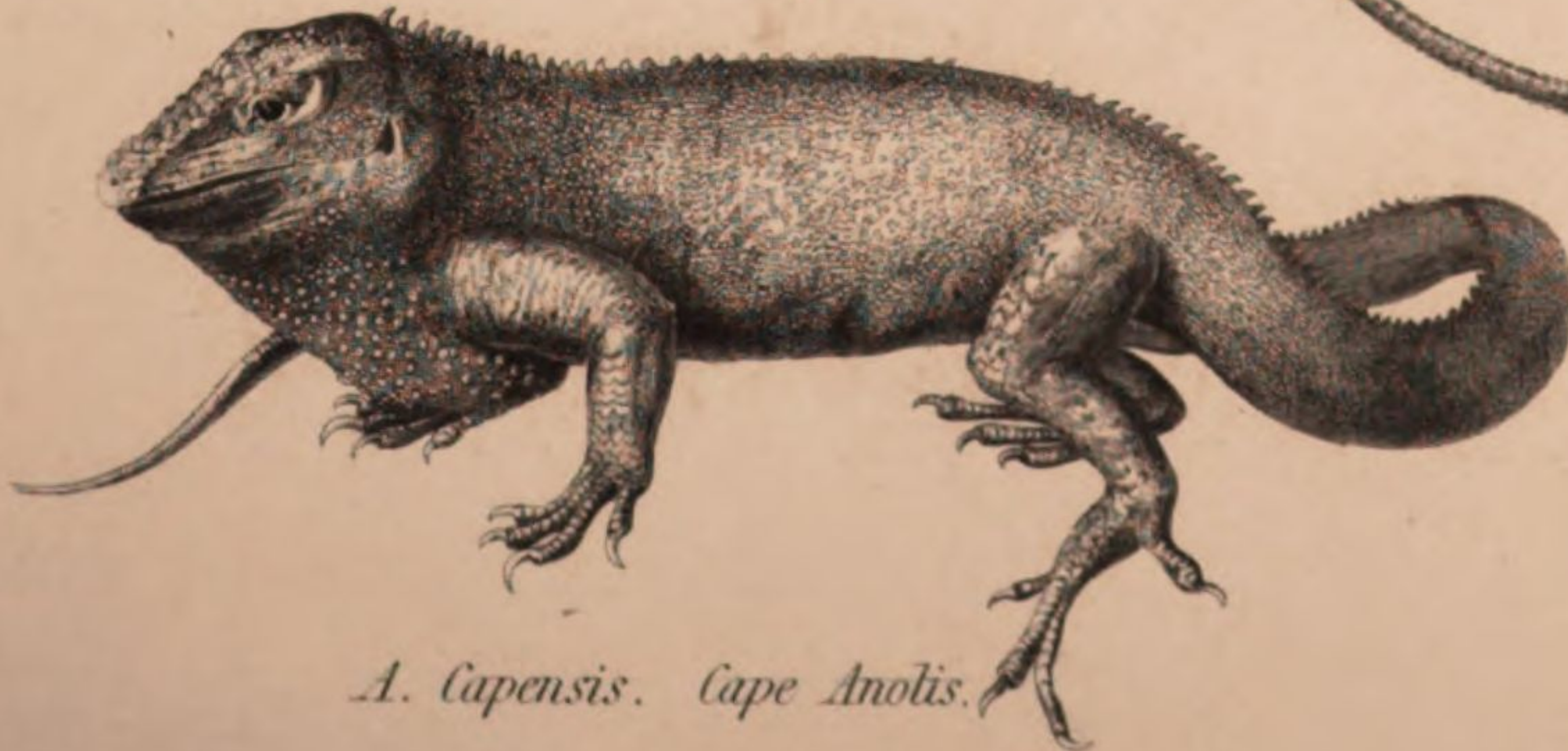
D. Lineatus. Striped Dragon

5

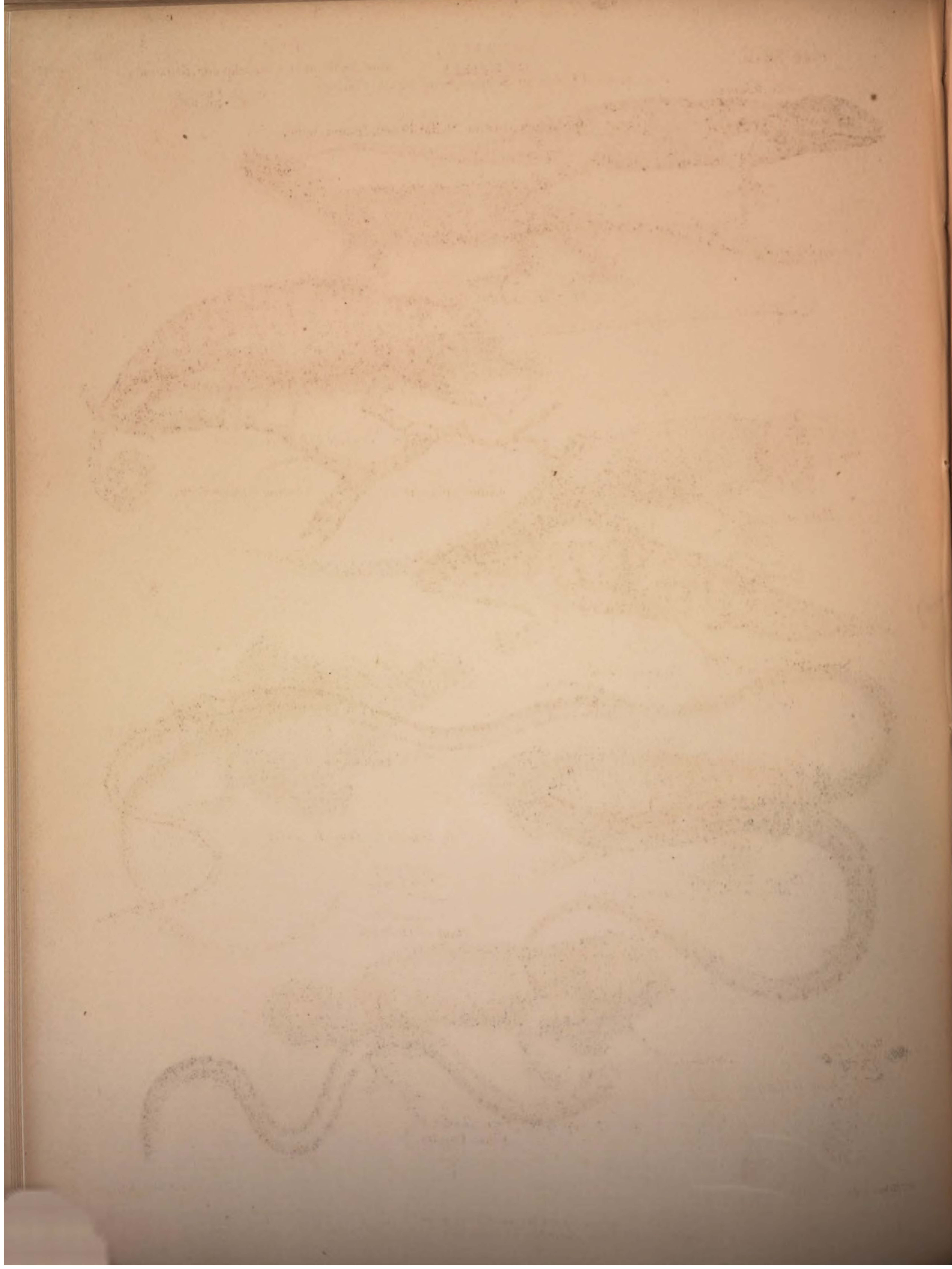


I. Tuberculata. Common Guana

6



A. Capensis. Cape Anolis



Order. Sauria.

REPTILIA.

PLATE 1

Gen. Stellio. Chamælio. Scincus, Seps, Bipes, Chirotes.

Fam. Stellionida, Chamælionida, Scincoida.



St. Egyptiacus — *Egyptian Stellion.*



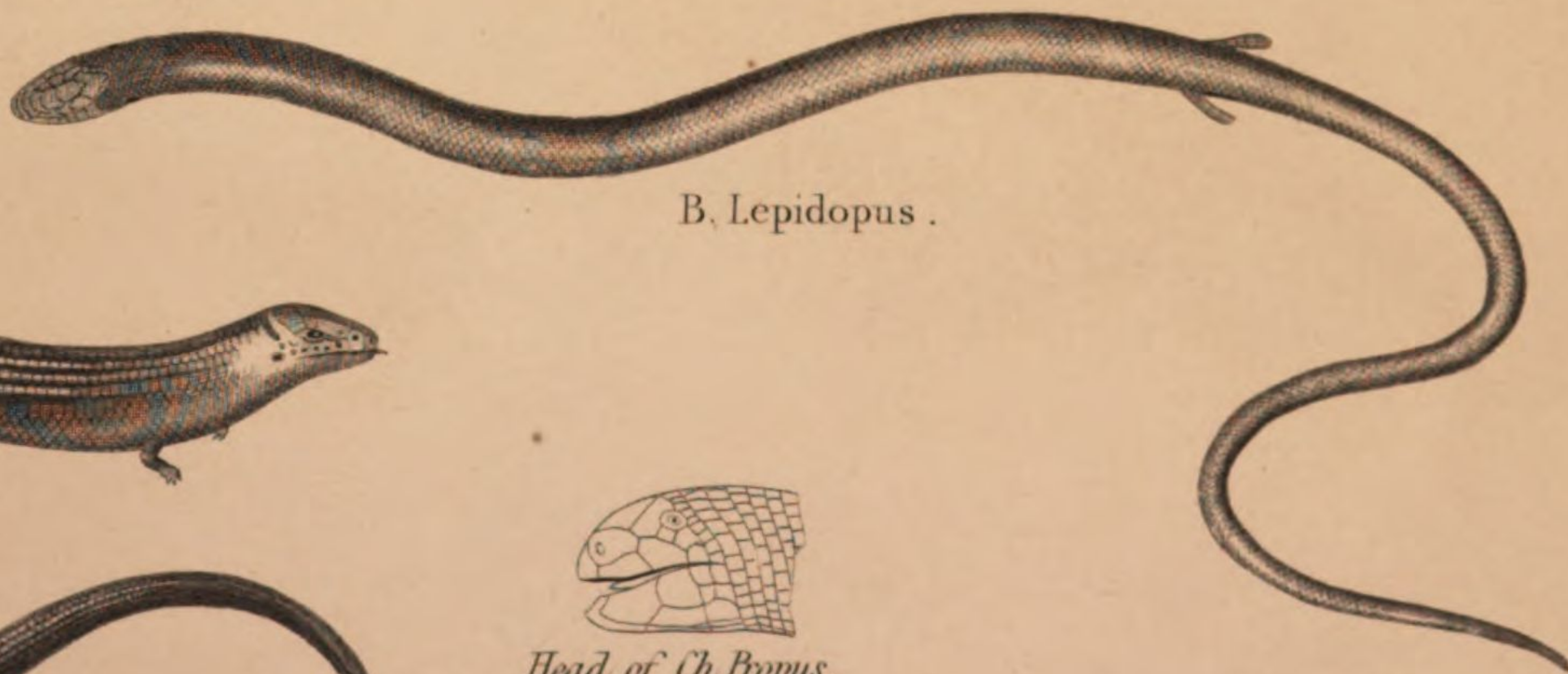
Cham. Vulgaris —

Common Chameleon.

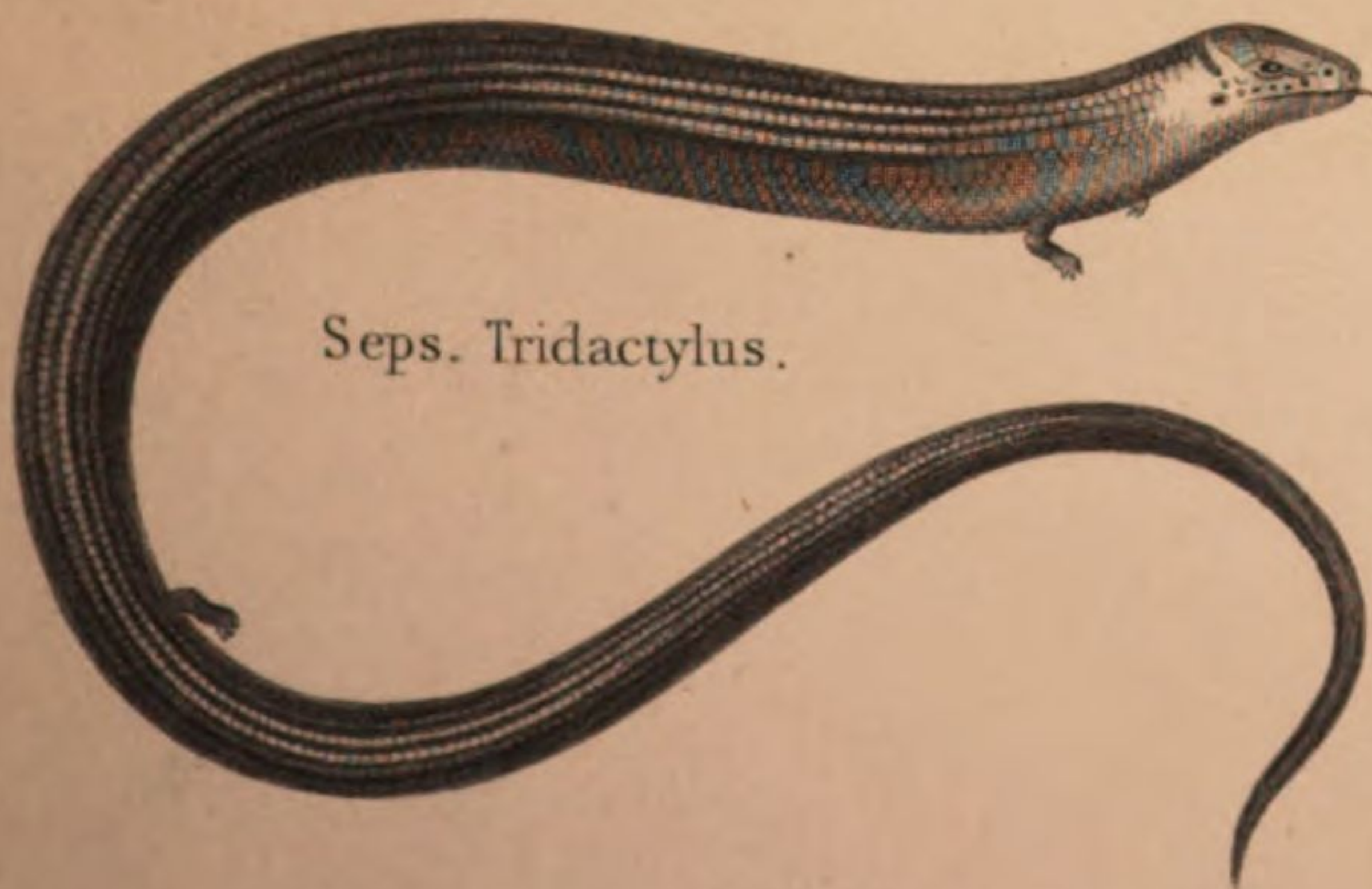
Head of Scink.



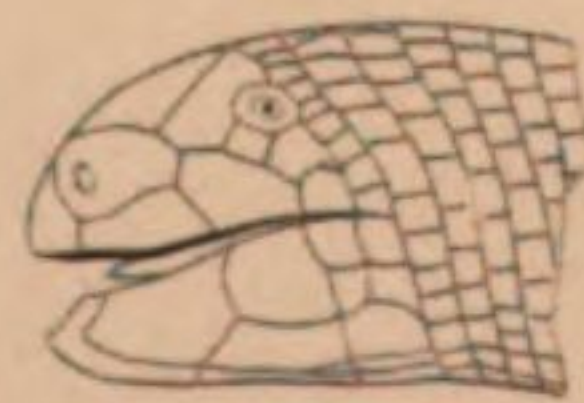
Scinc. Officinalis. — *Officinal Scink*



B. Lepidopus.



Seps. Tridactylus.

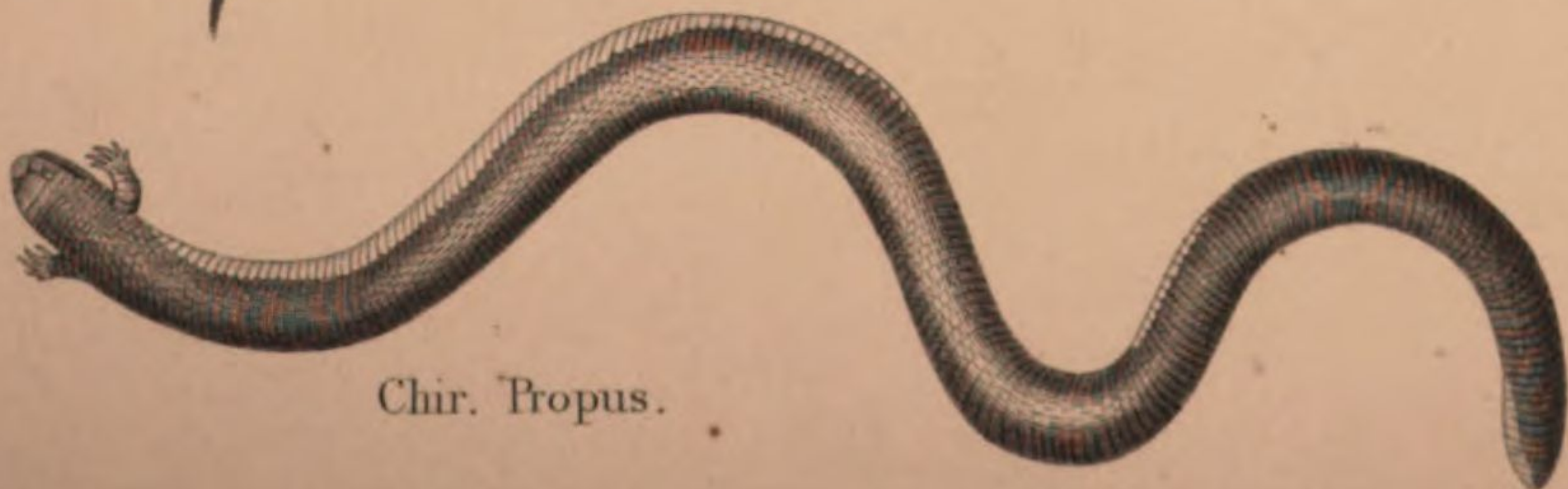


Head of Ch. Propus.

Hind Leg

Fore Leg

of Tridactylus



Chir. Propus.

M^r Holmes delin.

J. W. Lowry sculp.

REPTILIA

PLATE, 5.

Order, Ophidia.

Genera. Pseudopus, Amphisbæna, Tortrix, Boa, Python, Acrochordus.

Families Anguiformia & Serpentina.



Pseu^s. Pallasii



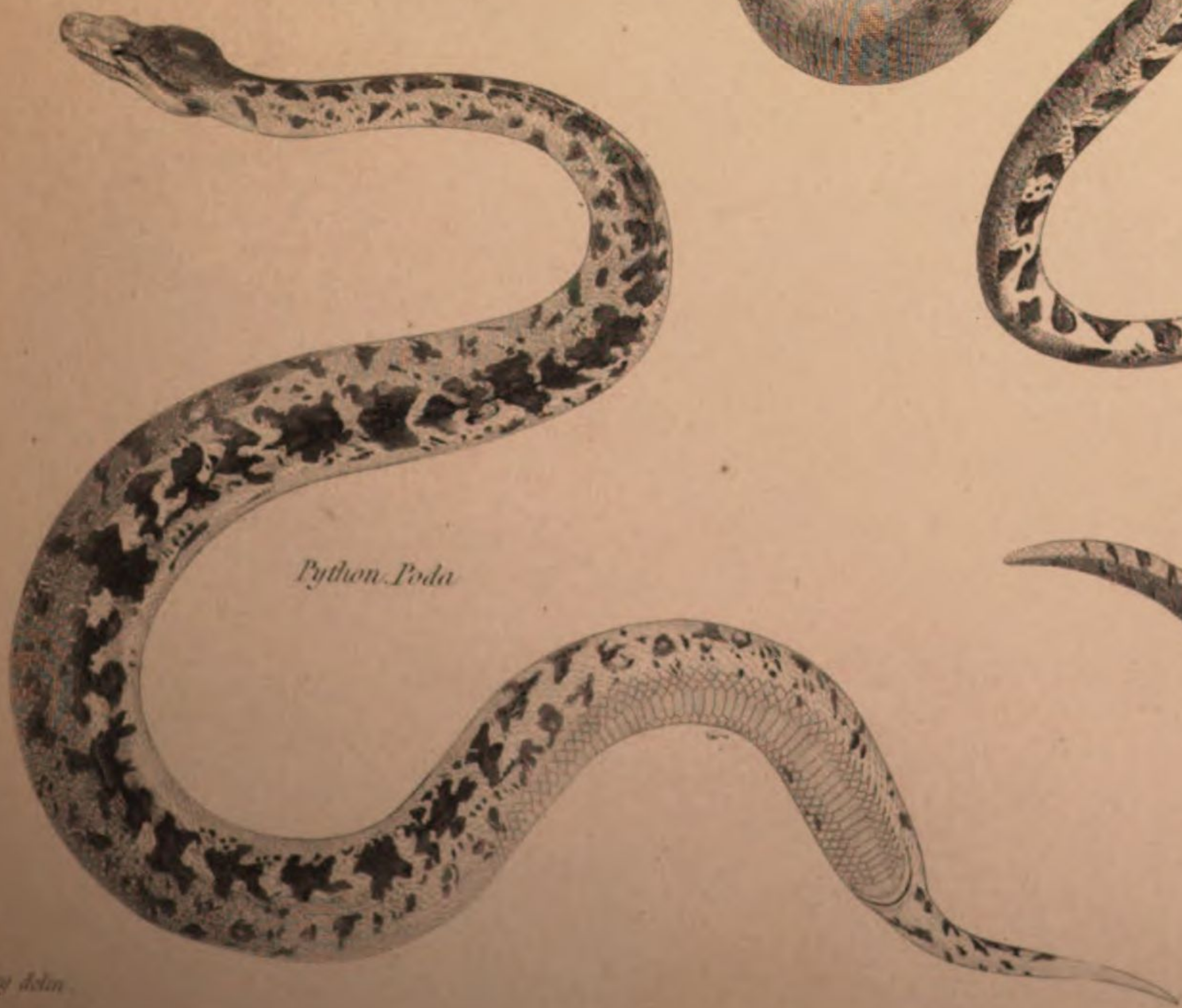
Amph^a. Alba



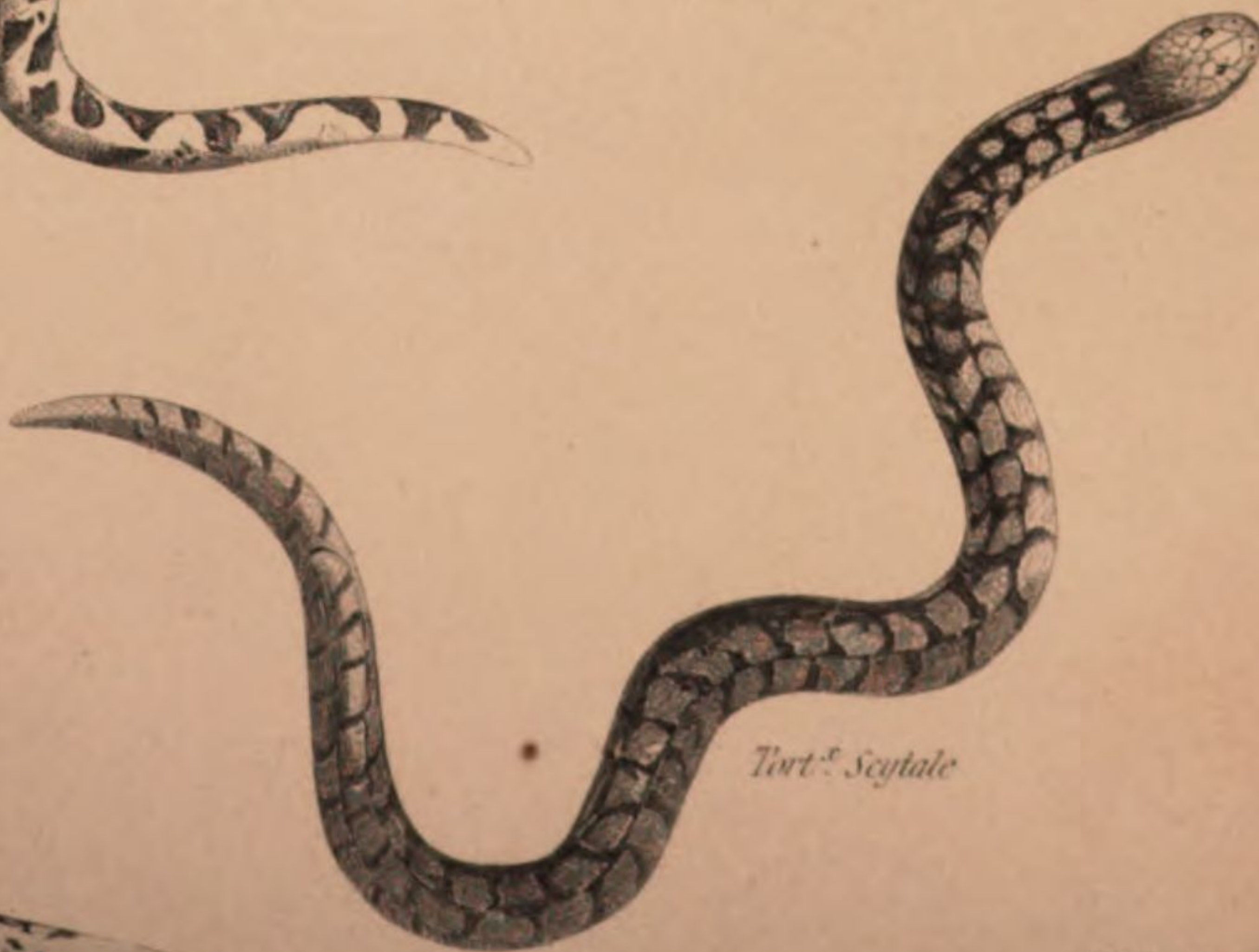
B. Constrictor



Acro^s. Javanensis



Python. Poda



Tort^s. Scytale

J. Bradley delin.

J. H. Loring sculp.

REPTILIA

Genera. Crotalus, Vipera, Cerastes, Naja, Trimeresurus, Pelamides, Pseudoboa, Cæcilia.

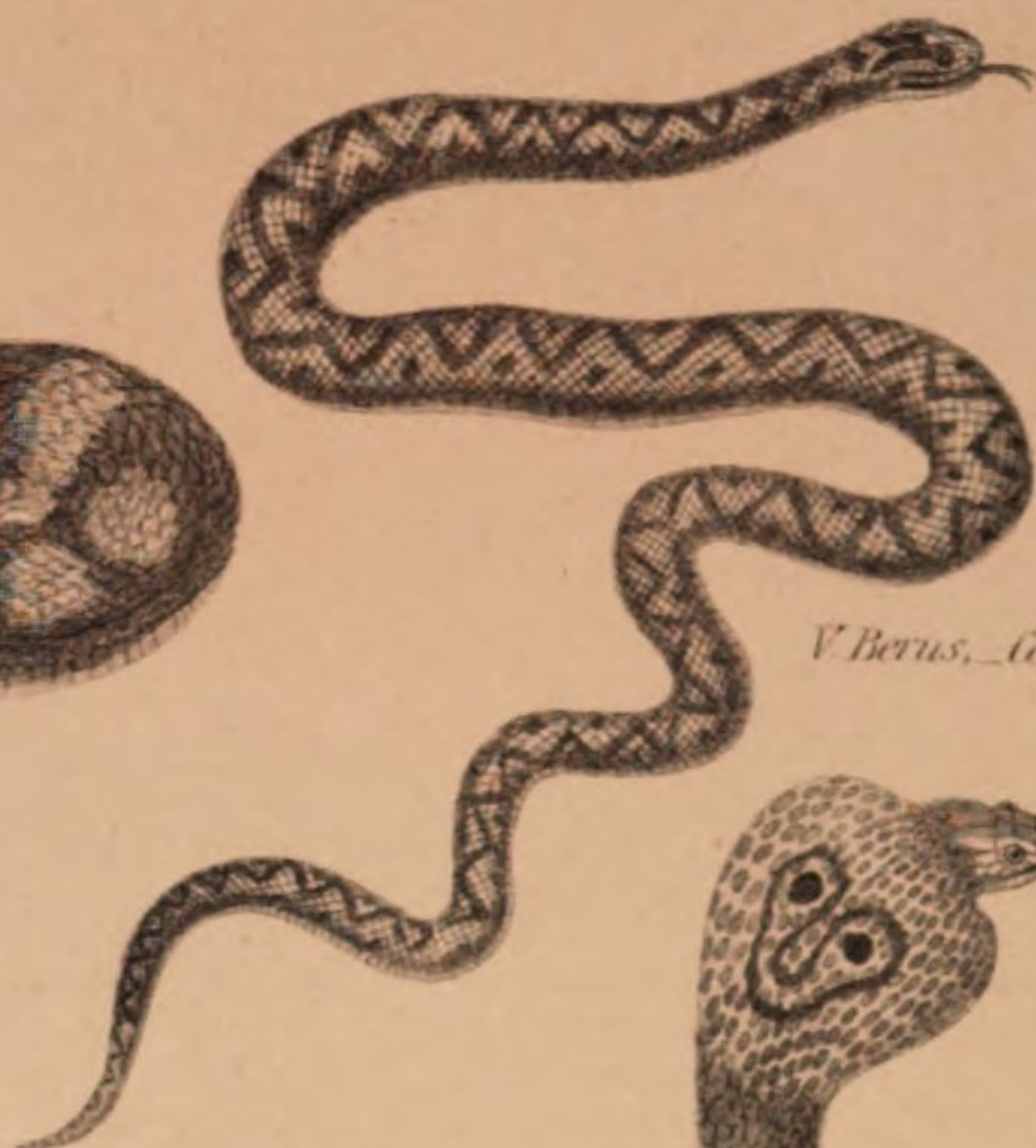
PLATE, 6.

Order, Ophidia.

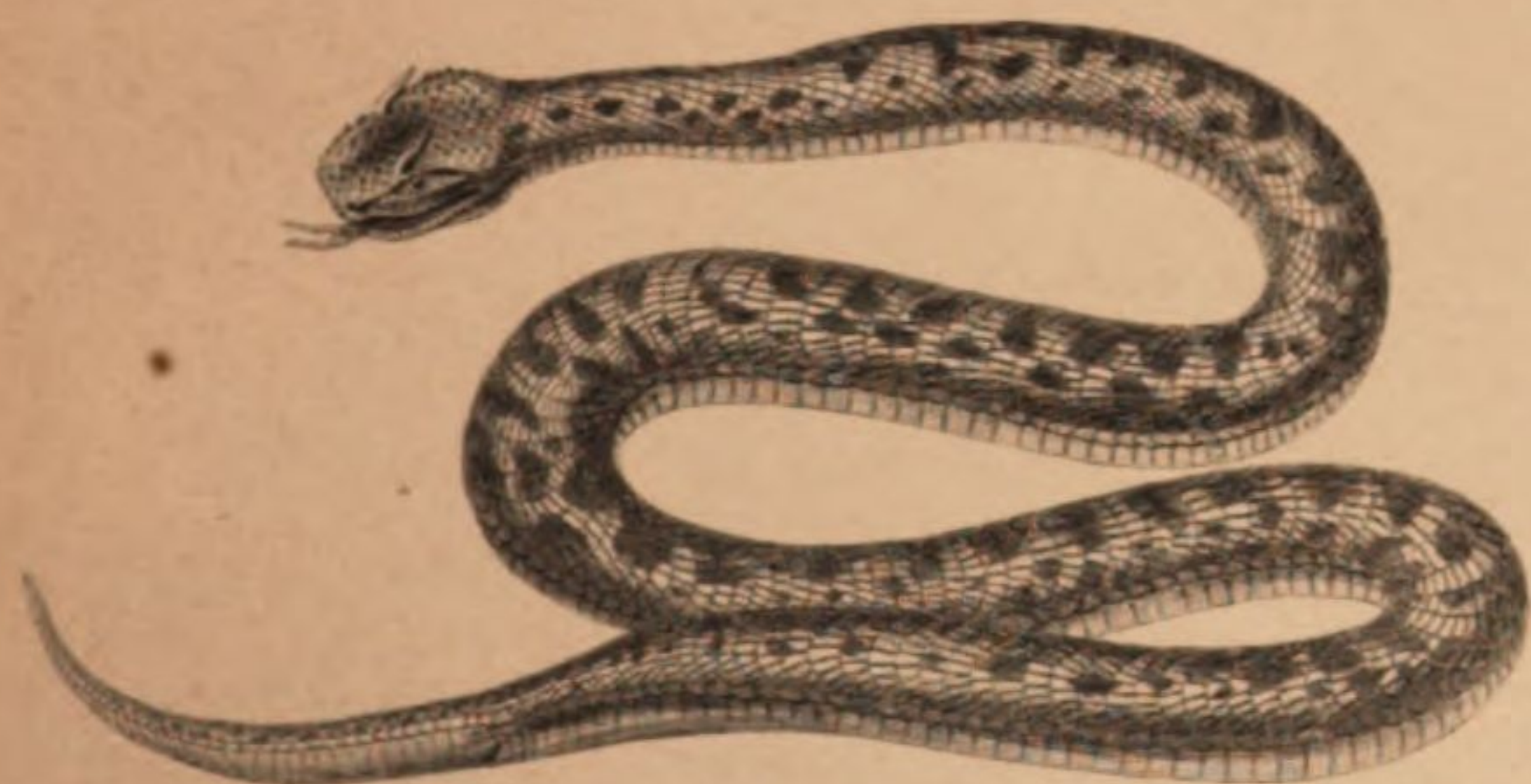
Family, Venemosa, Nuda.



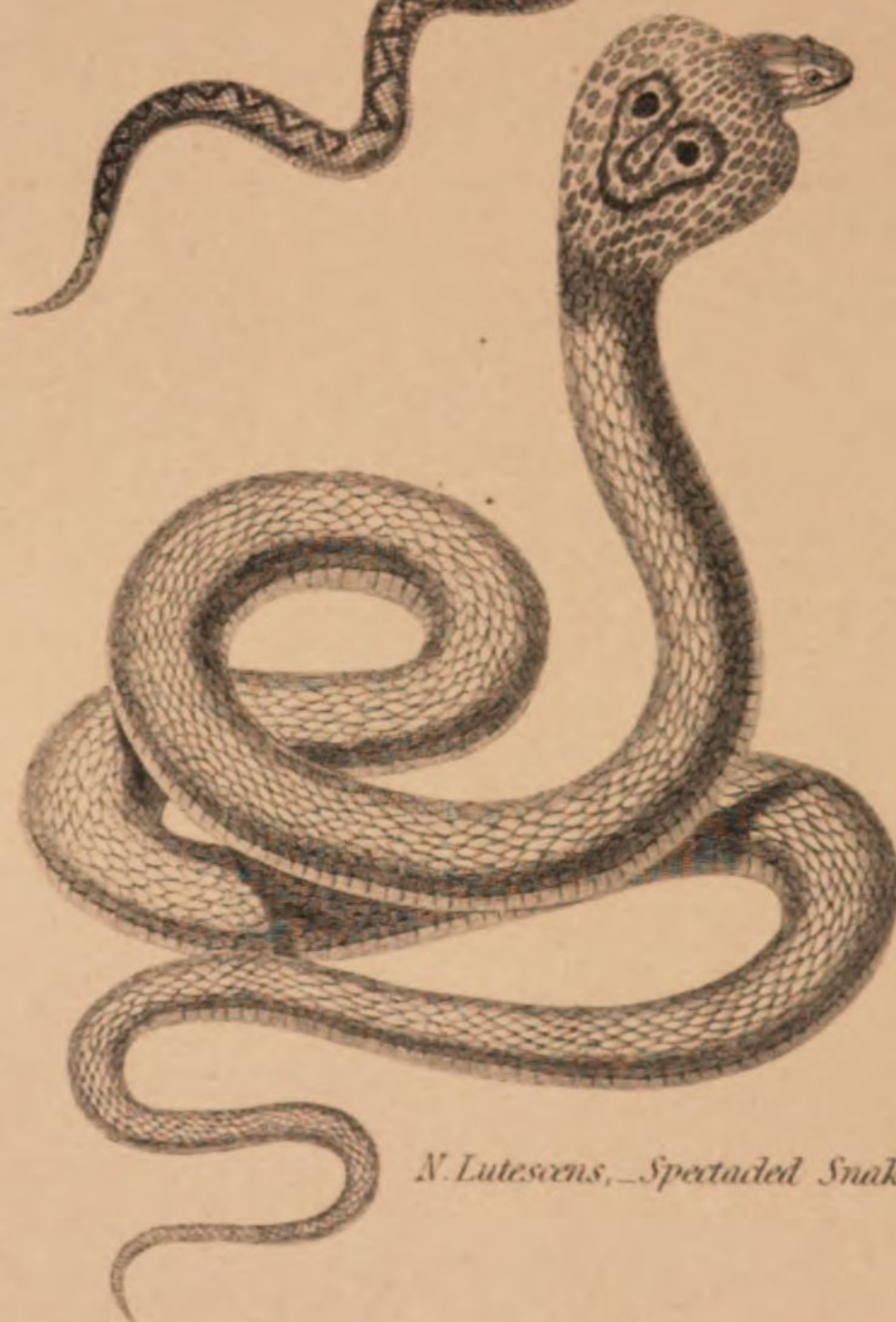
Crot. Horridus, — Banded Rattle Snake



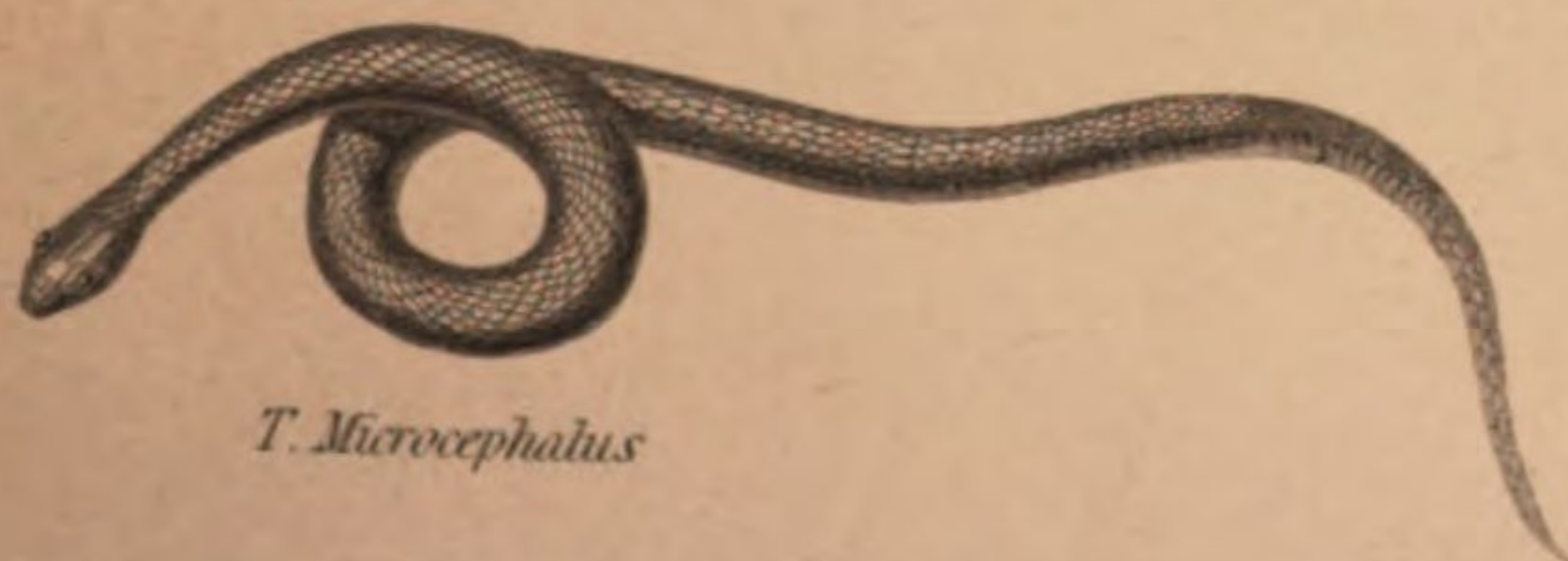
V. Berus, — Common Viper



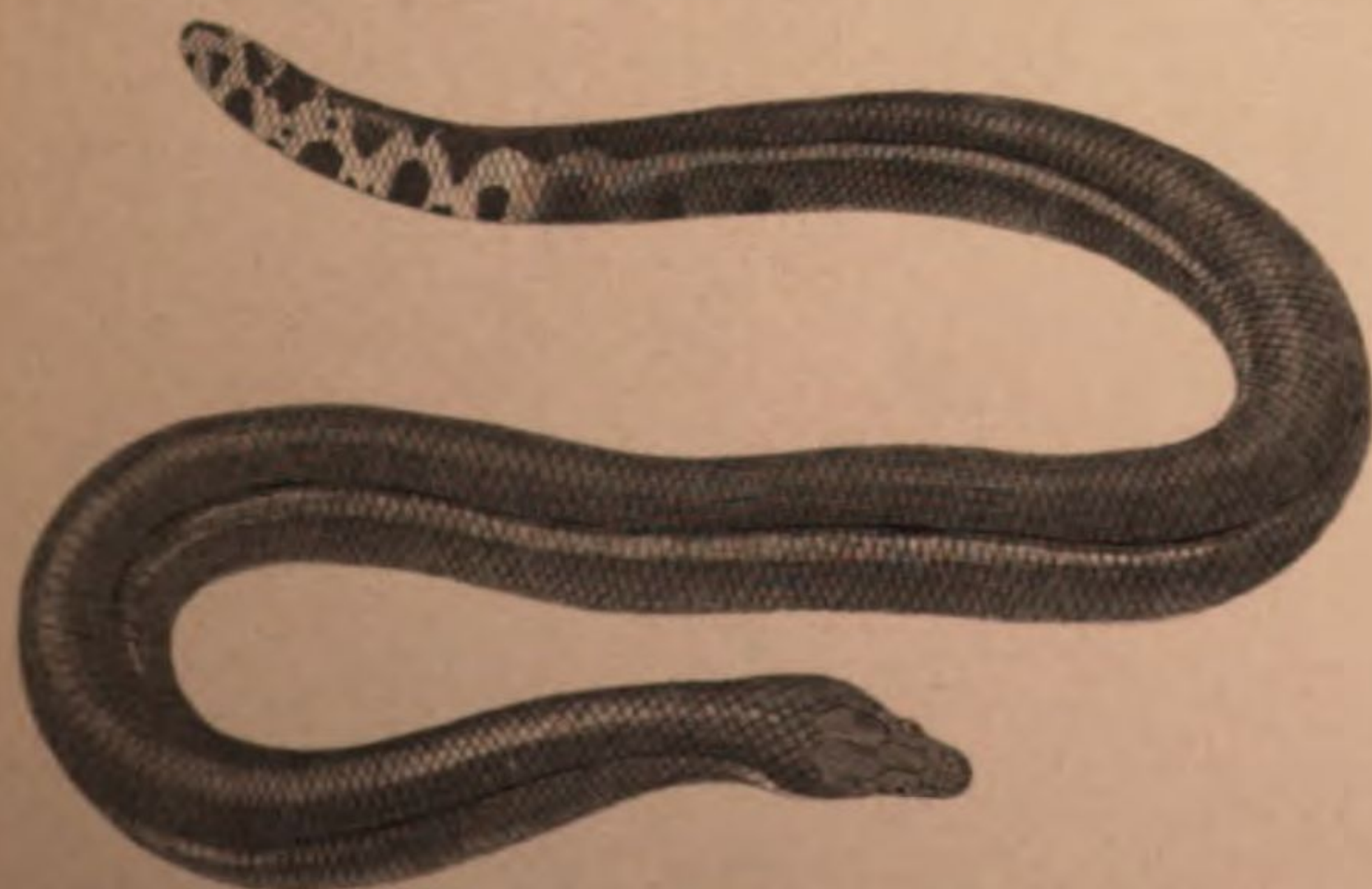
Cera. Hasselquistii



N. Lutescens, — Spectacled Snake



T. Microcephalus



Pel. Bicolor, — Blackbacked Sea Snake



Pseud. Fasciata



Cæc. Glutinosa

J.D.C. Sowerby delin.

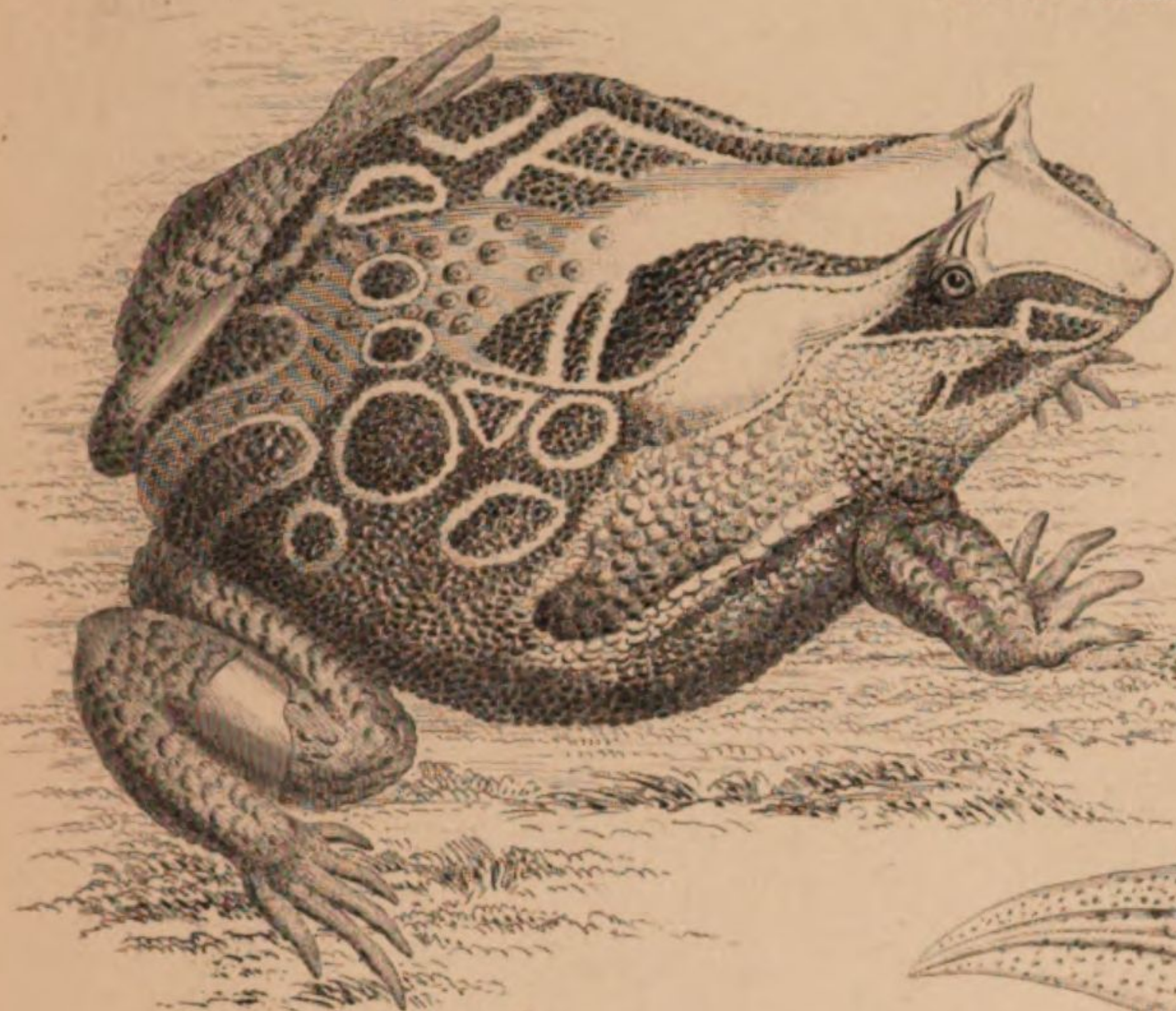
J.W. Leary sculp.

REPTILIA

Order: Batrachia.

Genera. Rana, Ceratophis, Hyla, Bufo, Pipa.

PLATE 7.
Family. Ecaudata.



C. Varius, — Horned Frog.



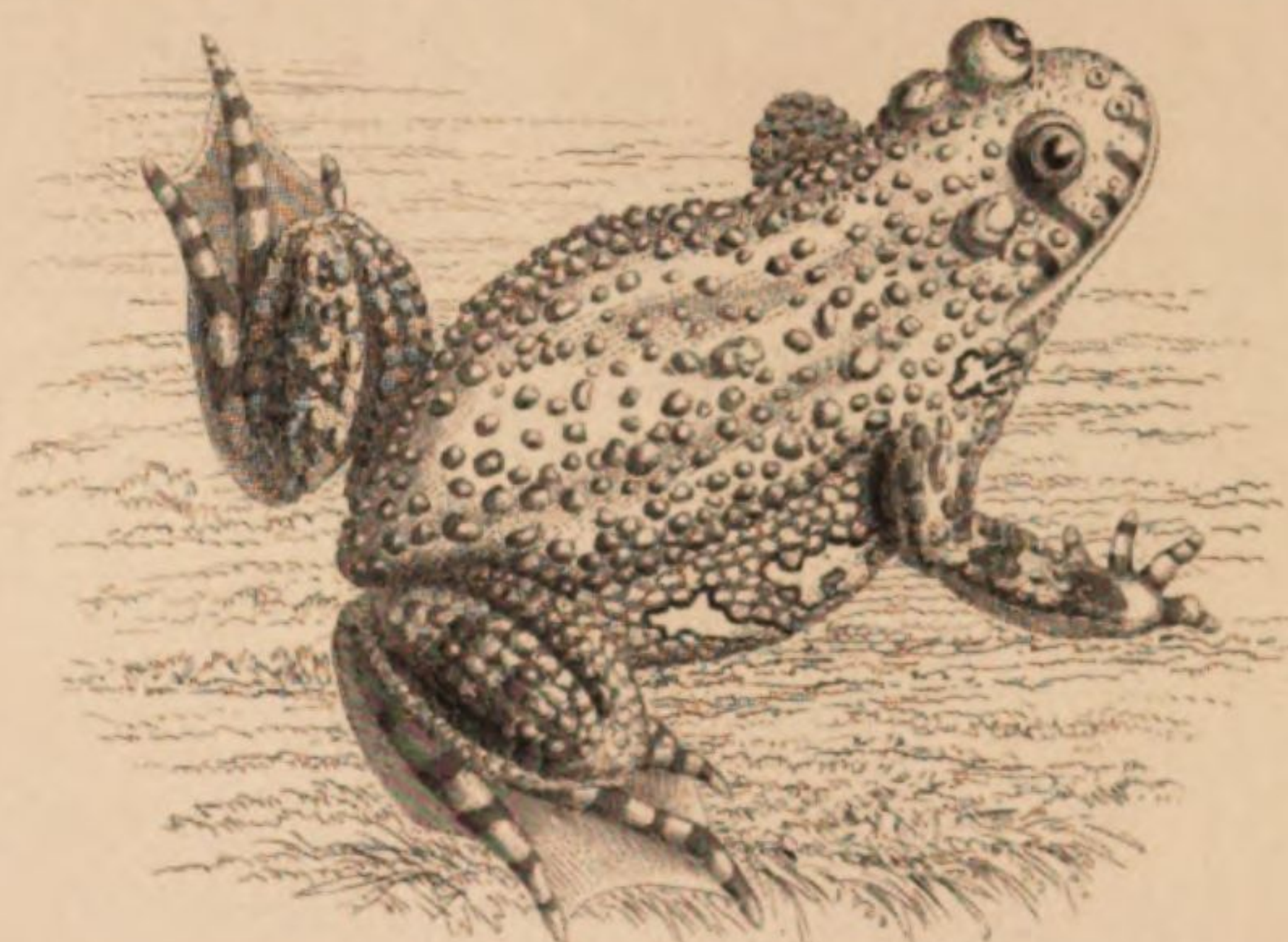
Tadpole of *R. Esculenta*.



R. Esculenta, — Edible Frog.



B. Vulgaris, — Common Toad.



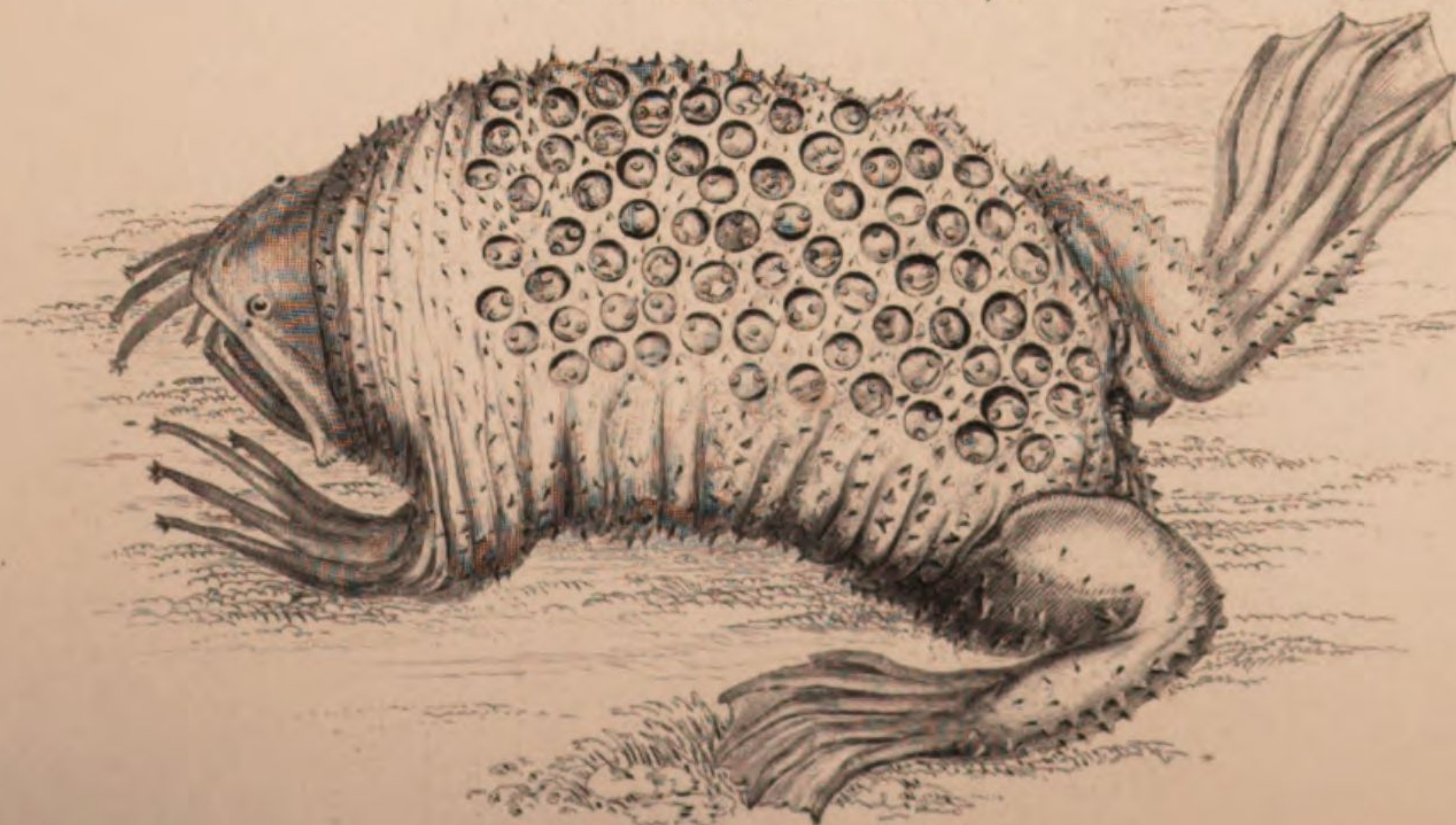
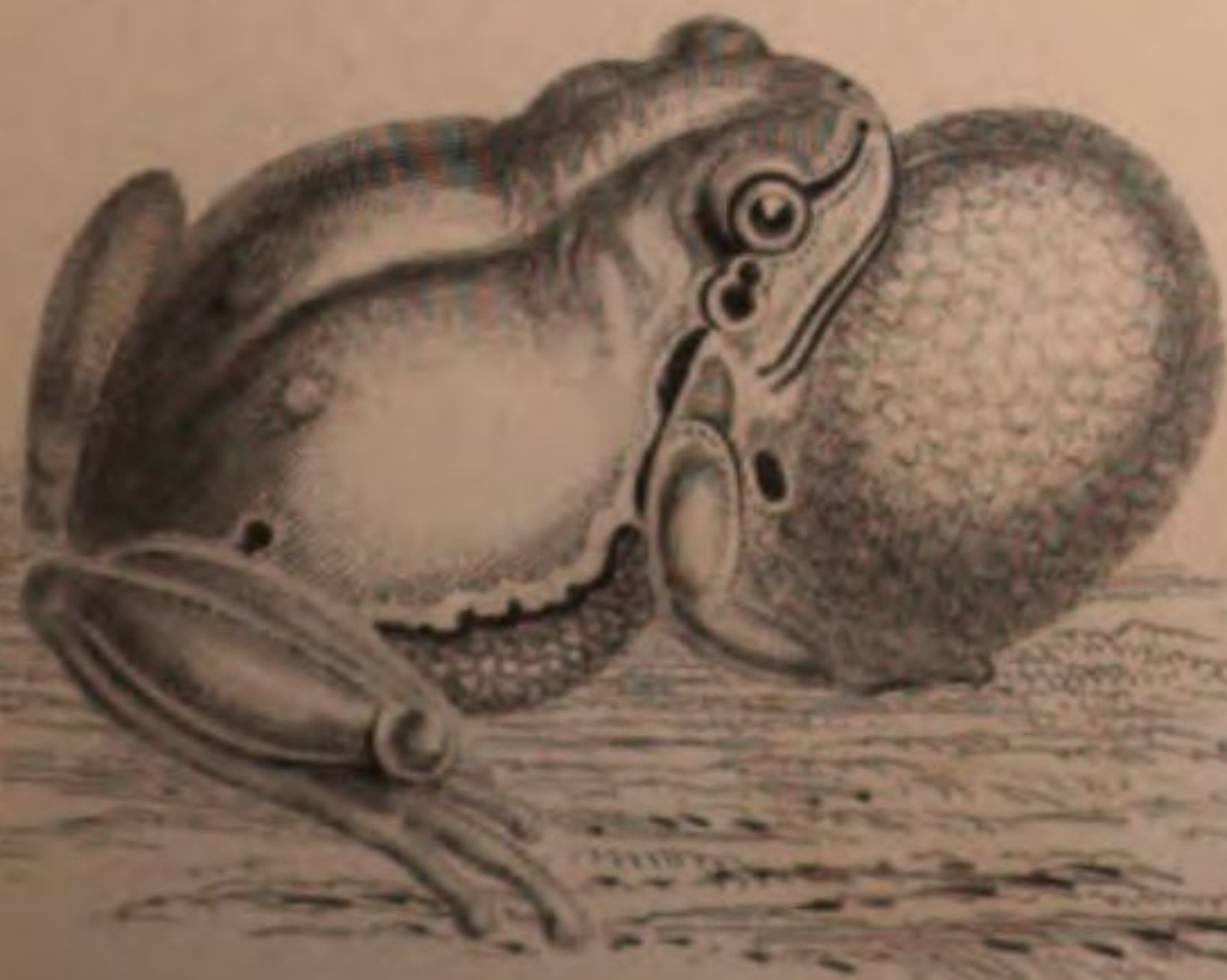
B. Bombina, — Yellow bellied Toad.



Tadpoles of *H. Vulgaris*

P. Surinamensis, — Surinam Pipa.

H. Vulgaris, — Tree Frog.



REPTILIA

Genera. Salamandra, Triton, Salamandrops, Siredon, Proteus, Siren.

PLATE, 3.

Order. Batrachia.

Family, Caudata.



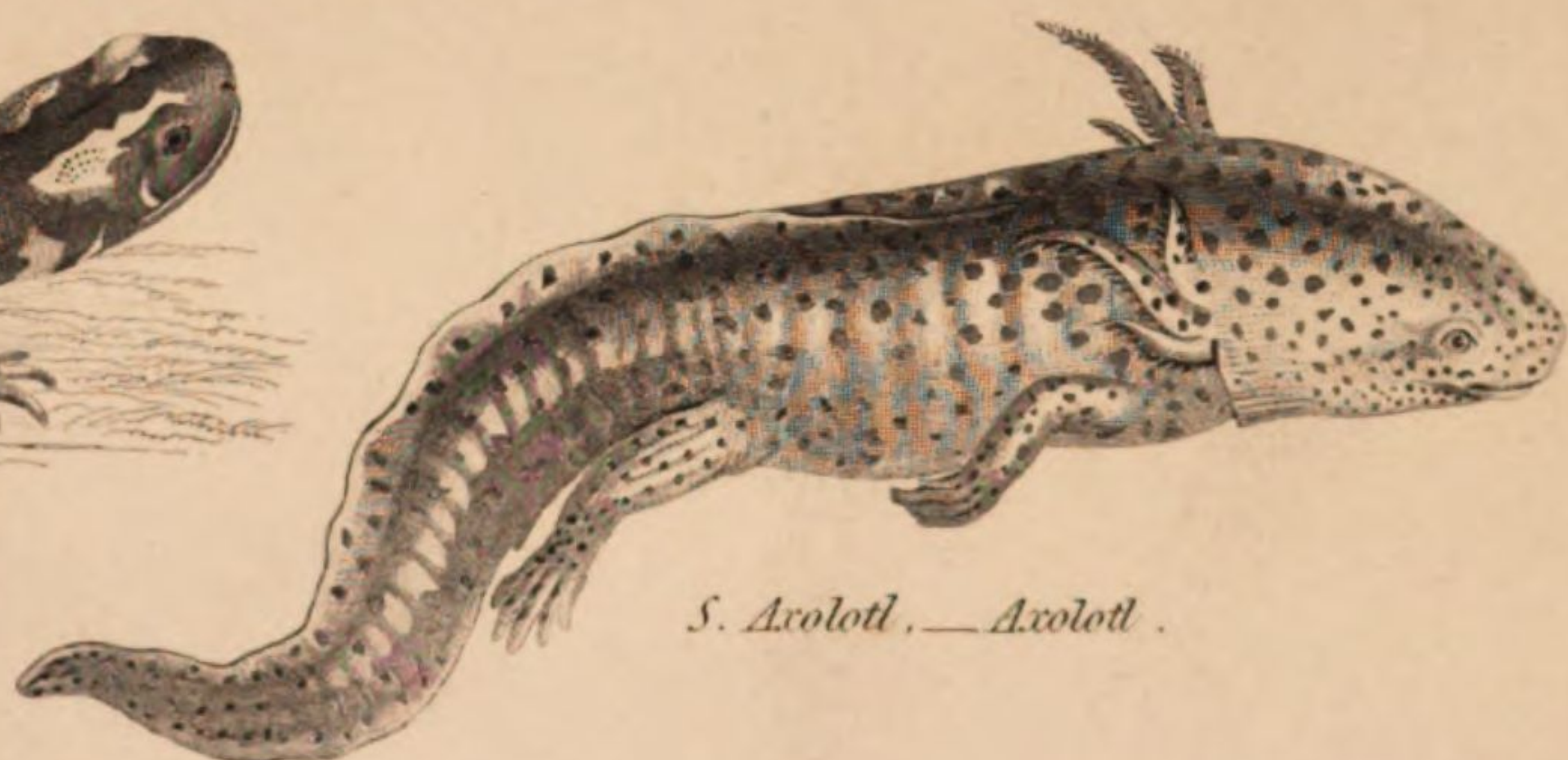
T. Marmorata, — *Marbled Newt*.



S^s. Alleghaniensis, — *Alleghany Salamandrops*.



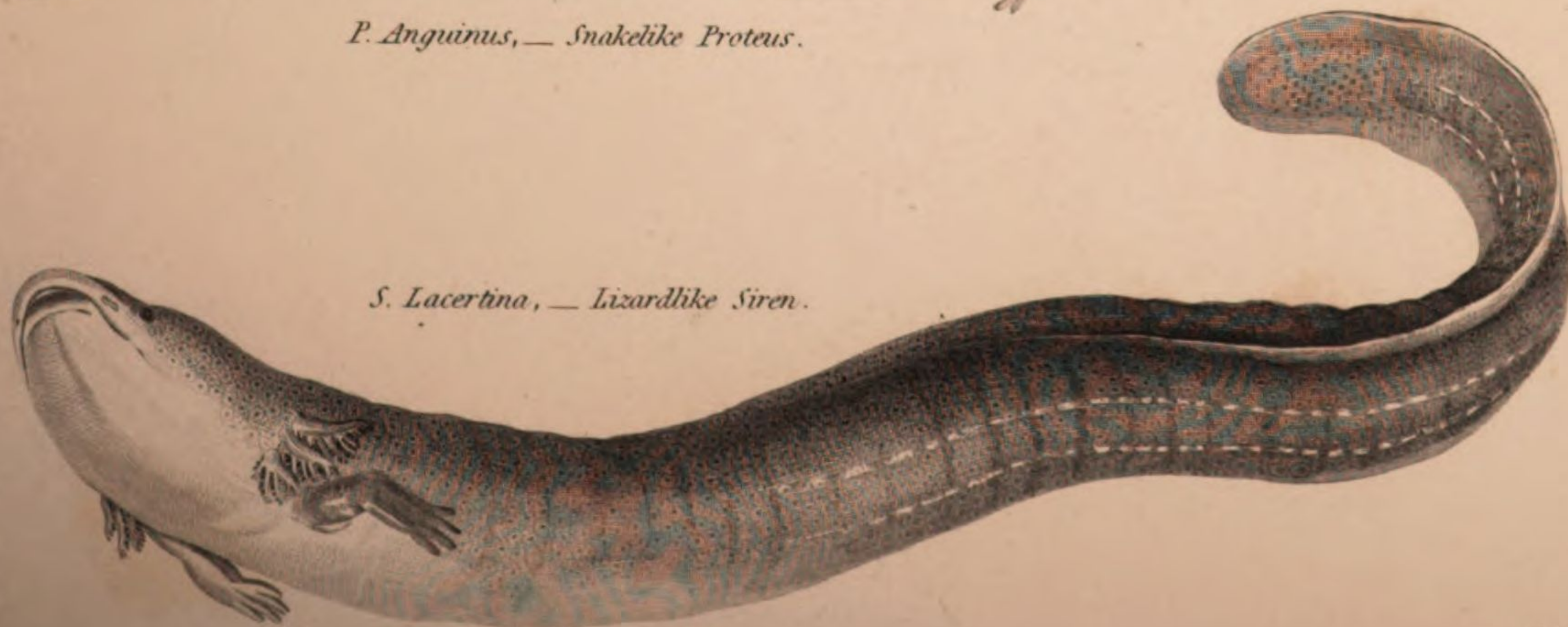
S^a. Maculosa, — *Spotted Salamander*.



S. Axolotl, — *Axolotl*.



P. Anguinus, — *Snake-like Proteus*.



S. Lacertina, — *Lizard-like Siren*.

J.D.C. Sowerby, delin.

J.W. Lowry, Sculp

PISCES.

PLATE I.

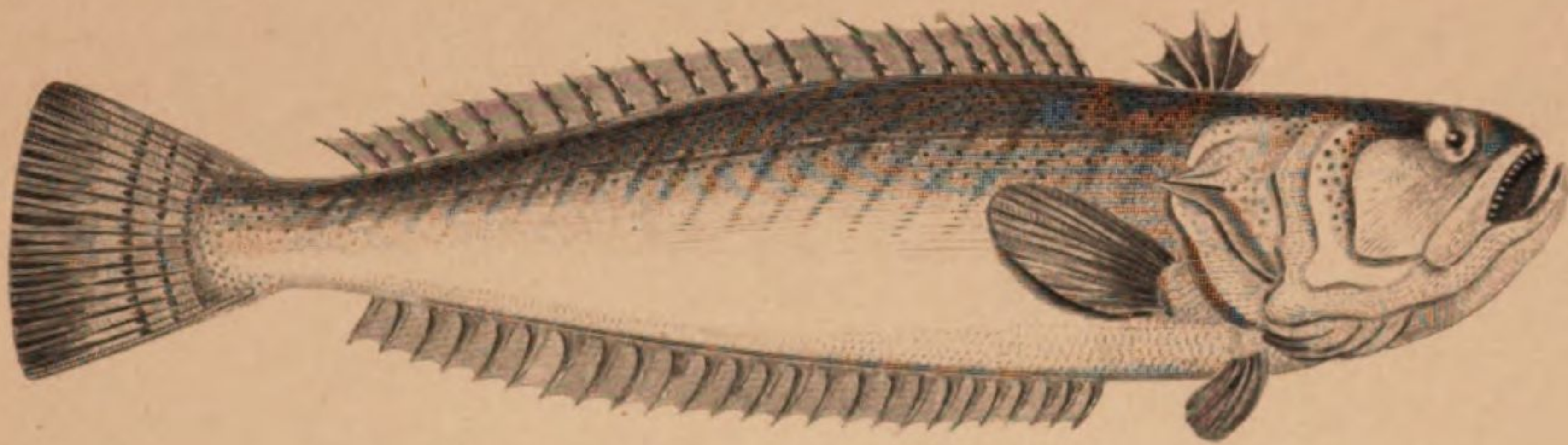
Order. Acanthopterygii.

Family. Percoides Trigloides Scienoides.

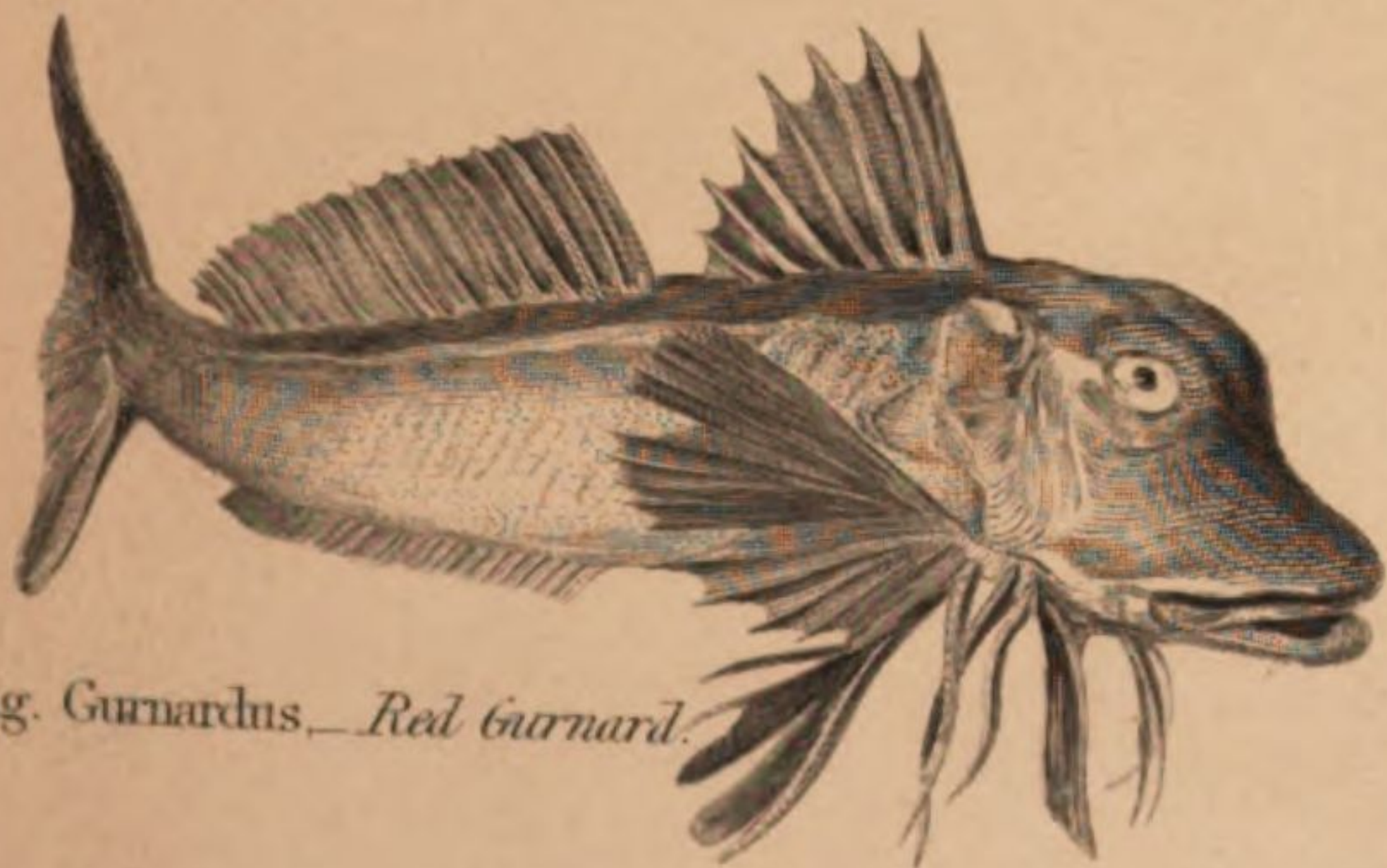
Genera. Perca, Trachinus, Mullus—Trigla, Dactylopterus—Sciaenoides, Amphiprion.



P. Fluviatilis, — Perch.



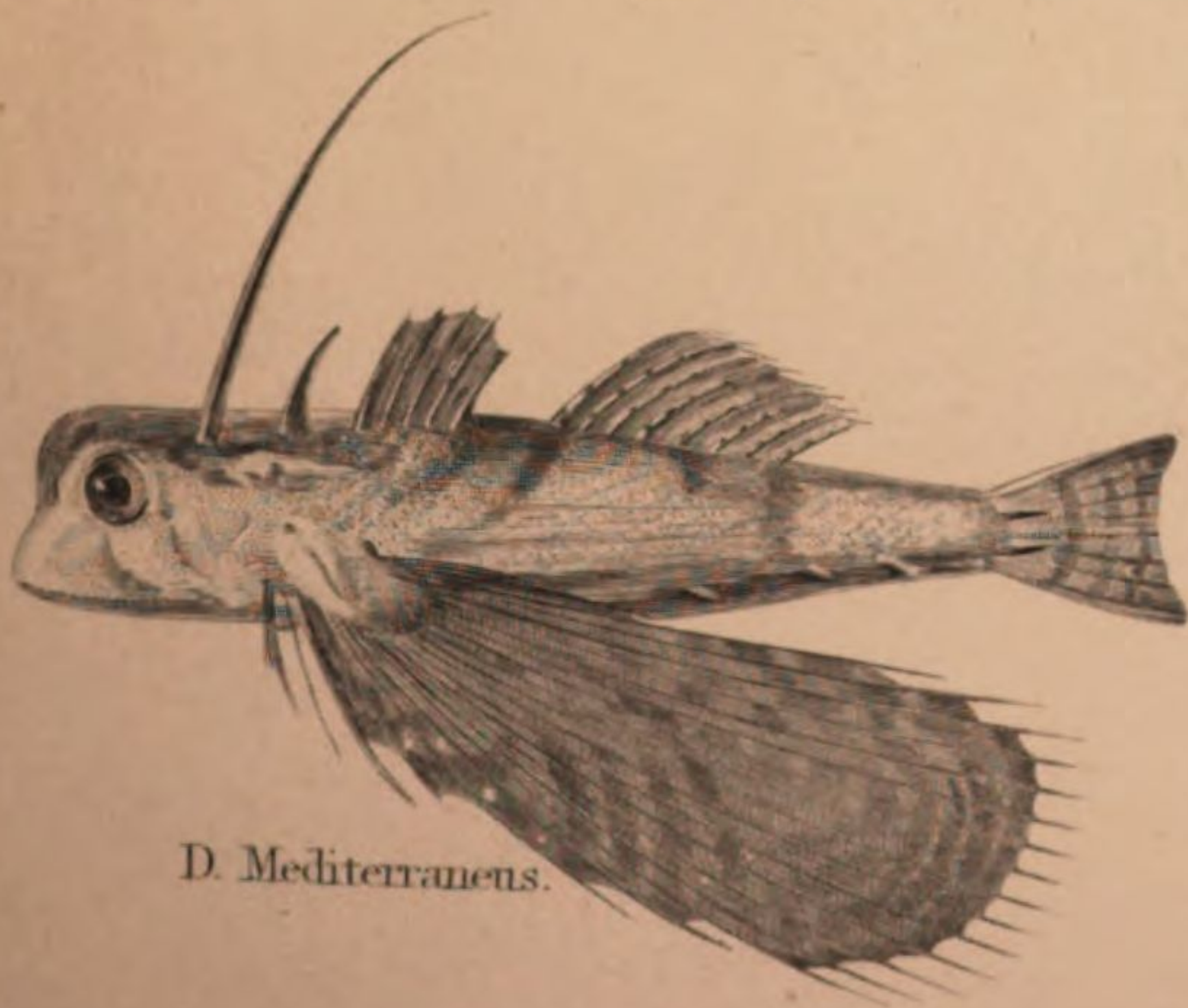
Trach. Draco, — Common Weever.



Trig. Gurnardus, — Red Gurnard.



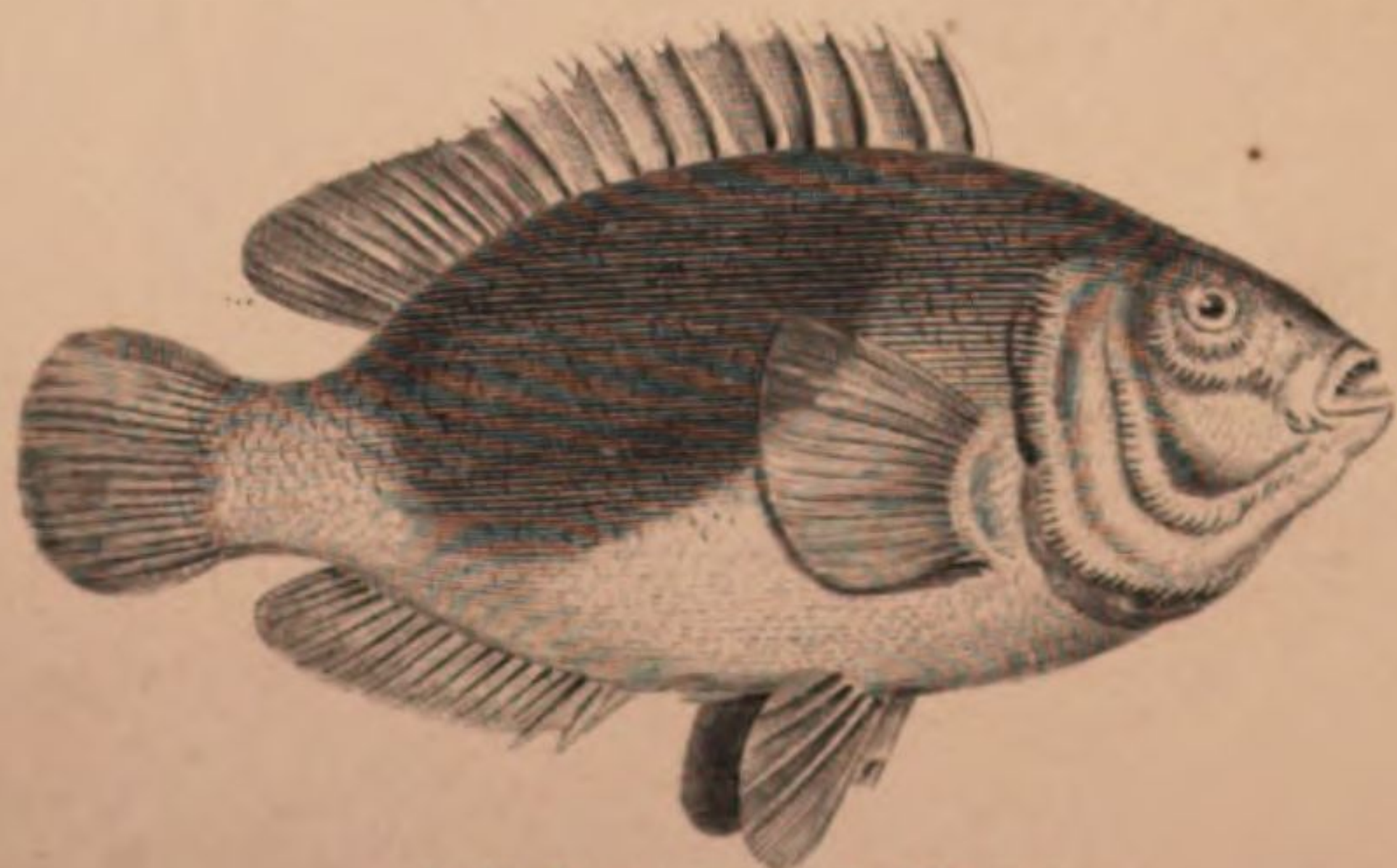
M. Barbatulus, — Smaller Redbeard.



D. Mediterraneus.



S. Umbra.



A. Ephippium, — Sadlerfish.

T. Bradley delin.

Published Dec. 1835, by Baldwin & Cradock, Paternoster Row.

J.W. Lorry sculp.

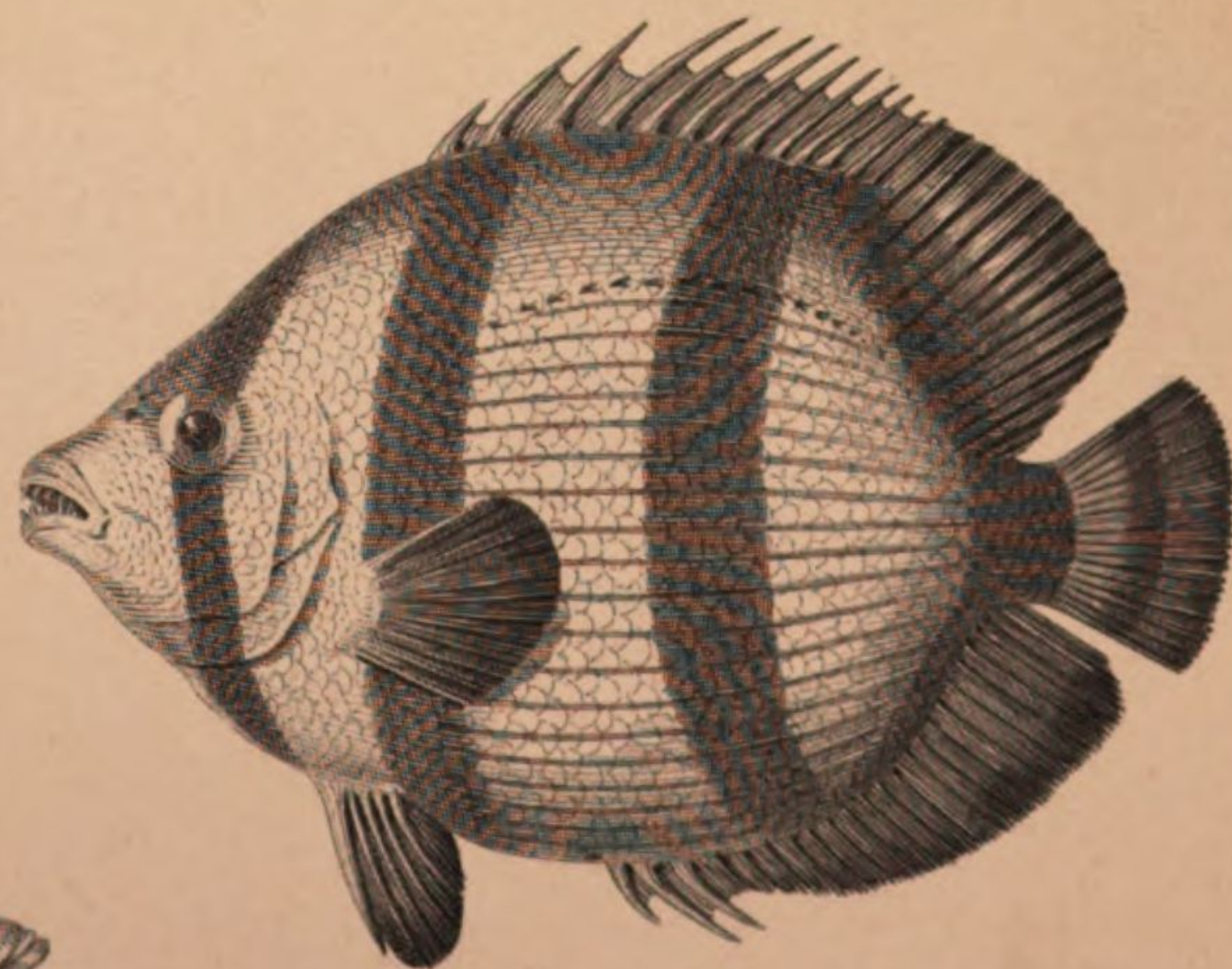
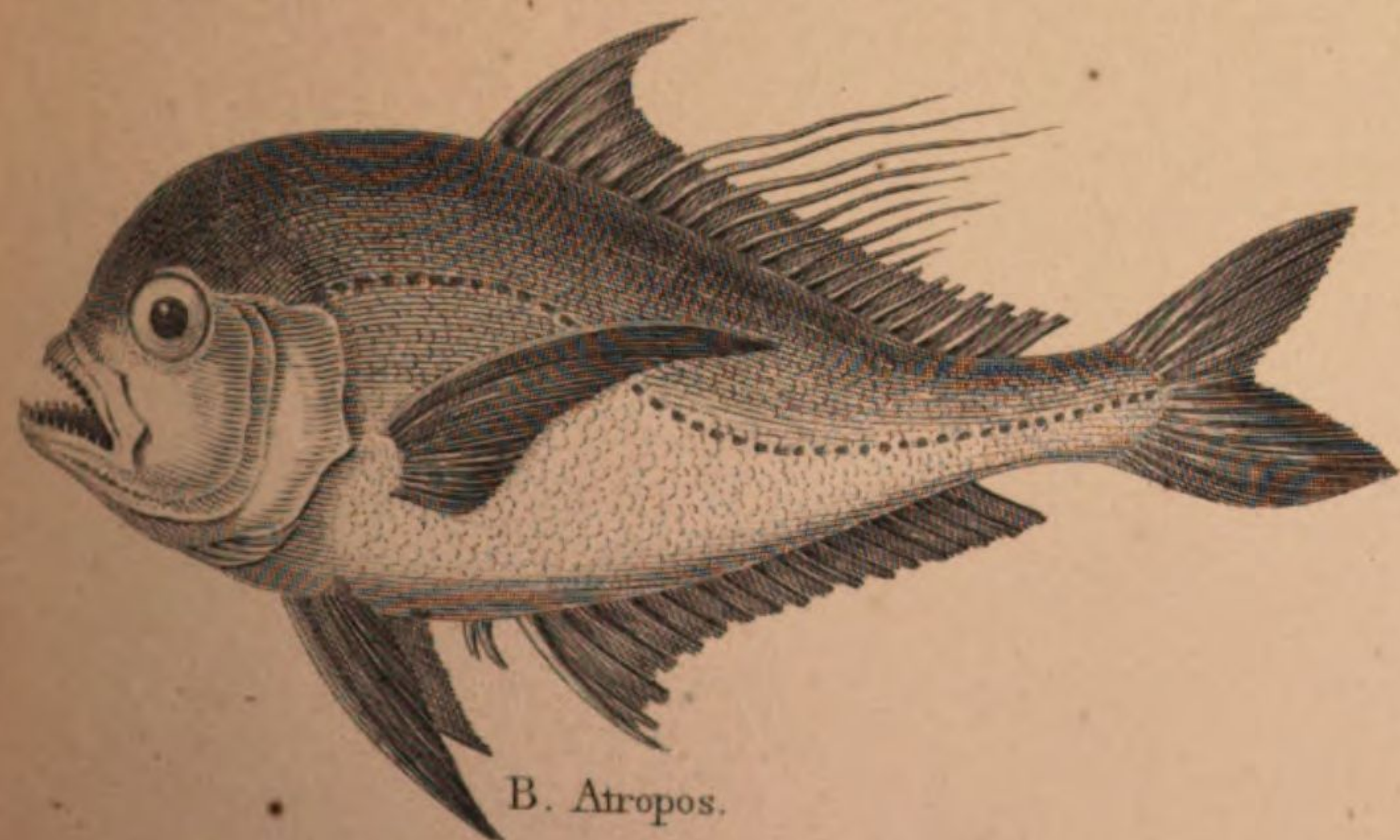
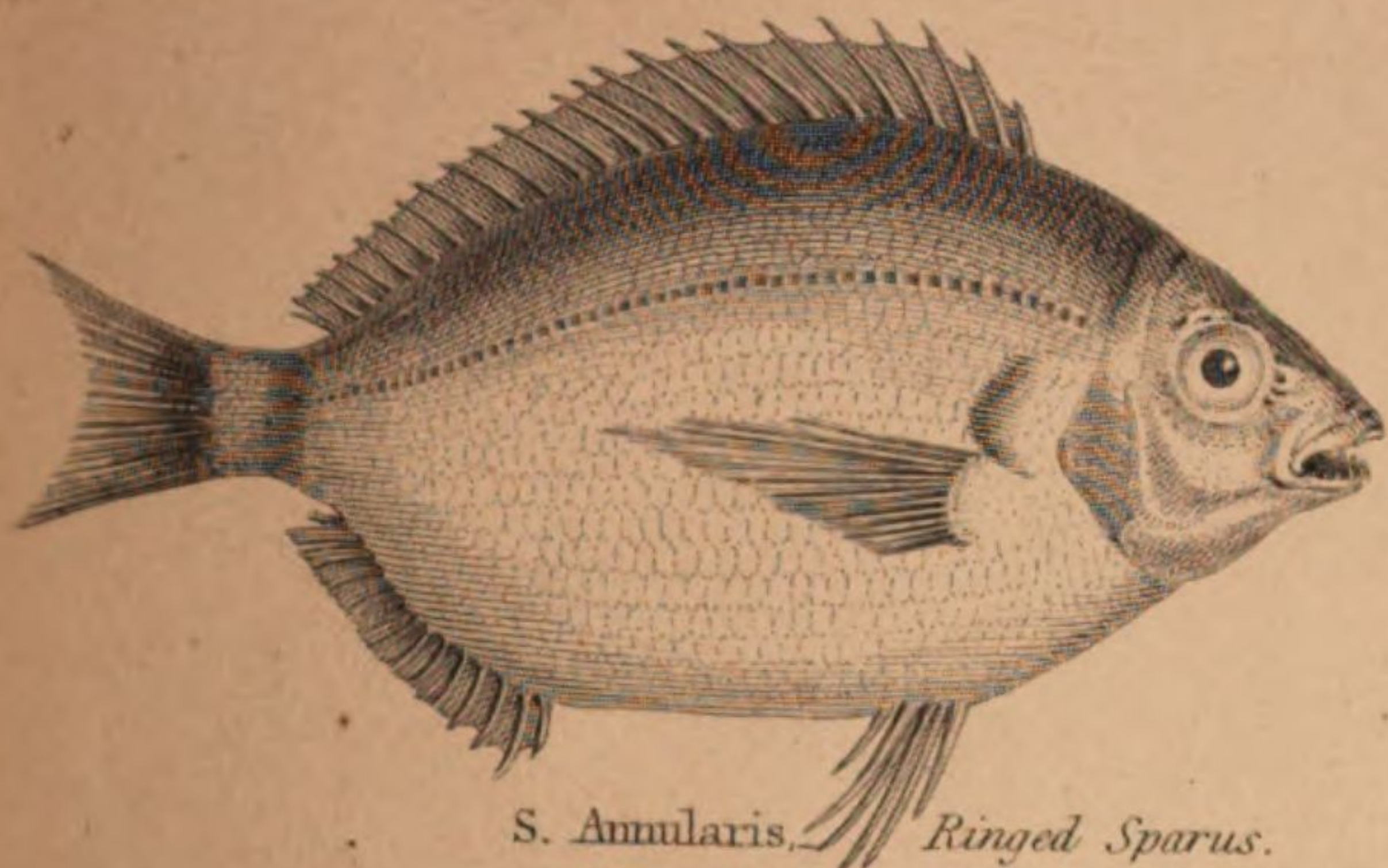
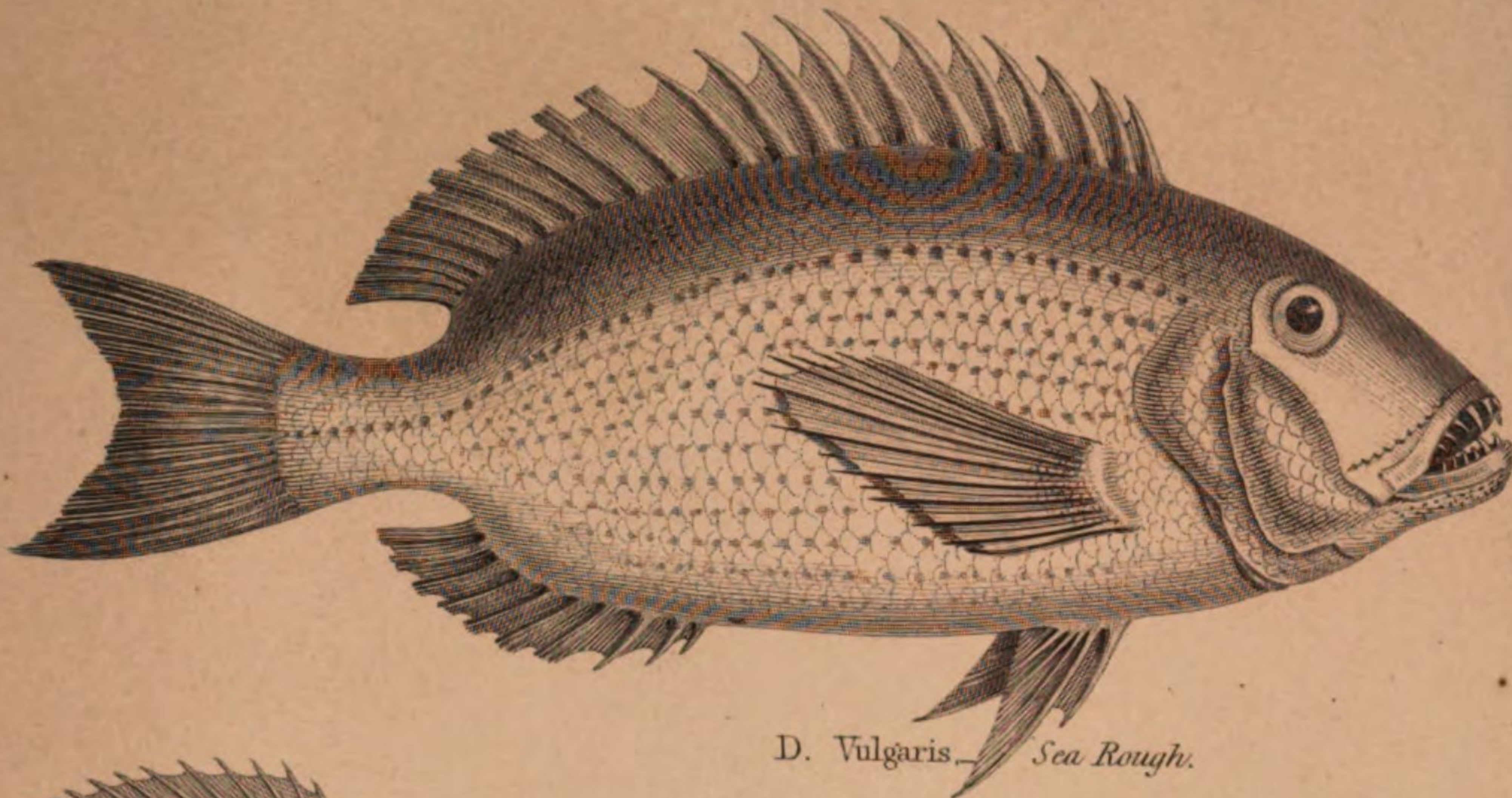
PISCES.

PLATE 2.

Order: Acanthopterygii.

Gen: Sargus, Dentex, — Maena, Smaris, — Chætodon, Brama.

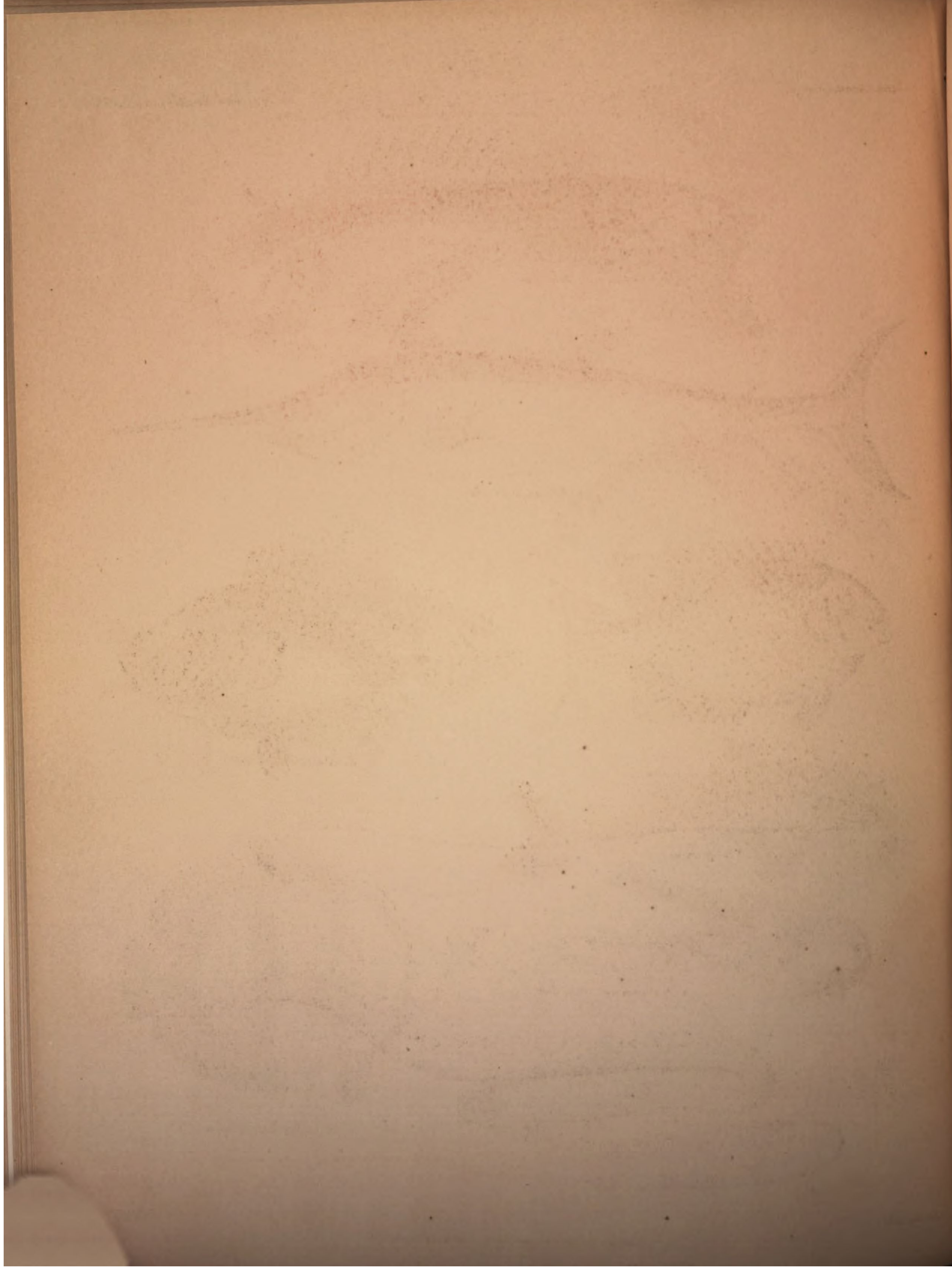
Fam. Sparoides, Mænoides, Squammipennes.



Ellis & Soler

Published Dec^r 1835, by Baldwin & Cradock, Paternoster Row.

J. W. Lowry sculp.



PISCES

PLATE 3.

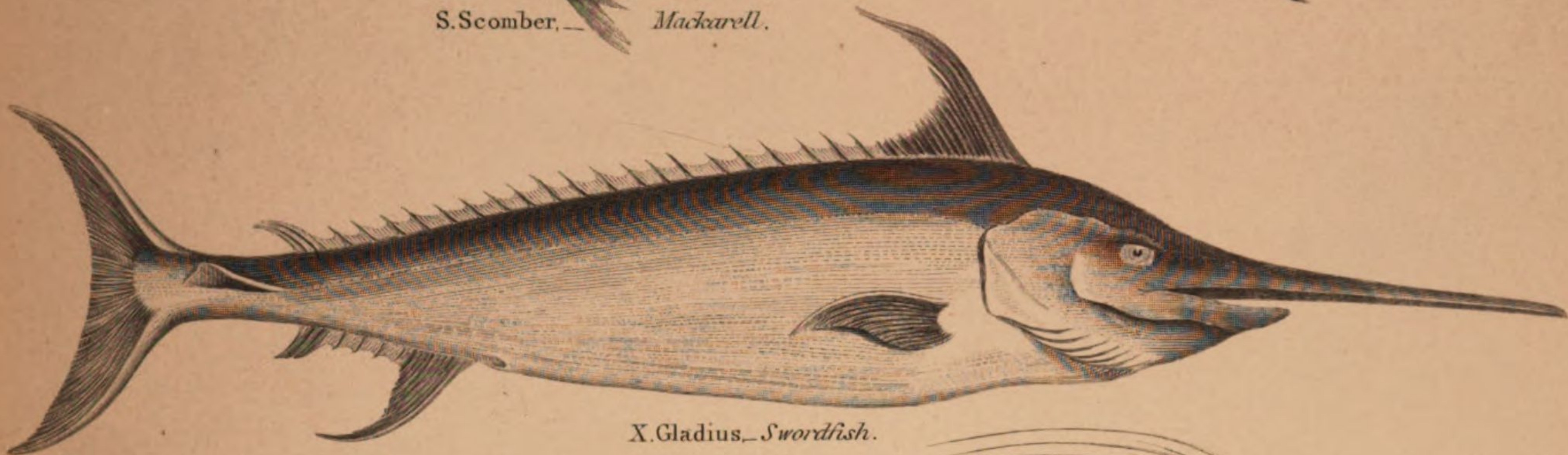
Order: Acanthopterygii.

Fam: Scomberoides, Tarrionides, Theutyes.

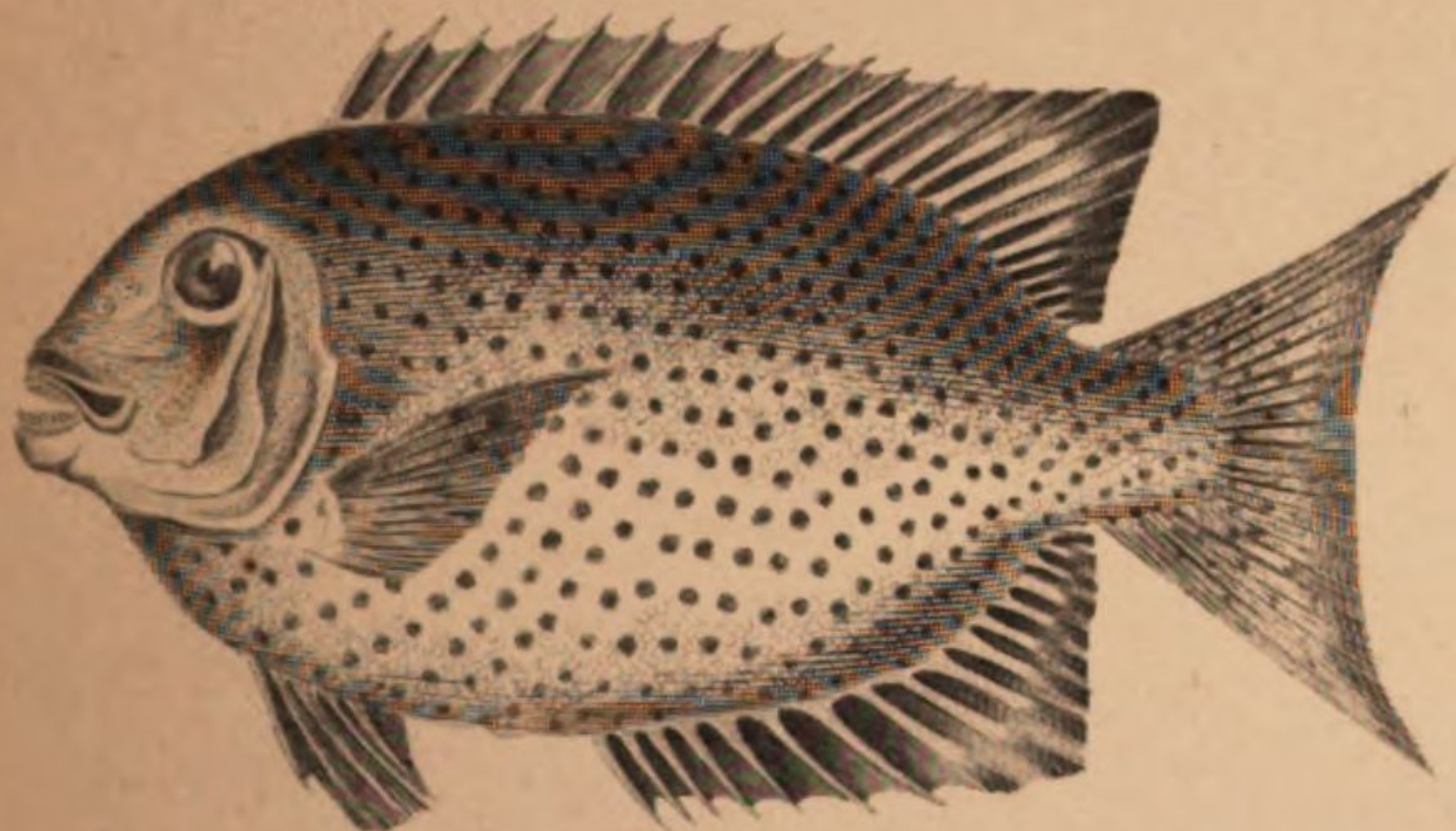
Gen: Scomber, Xiphias, Zeus. — Trichiurus, Stylephorus, Cepola, — Amphacanthus.



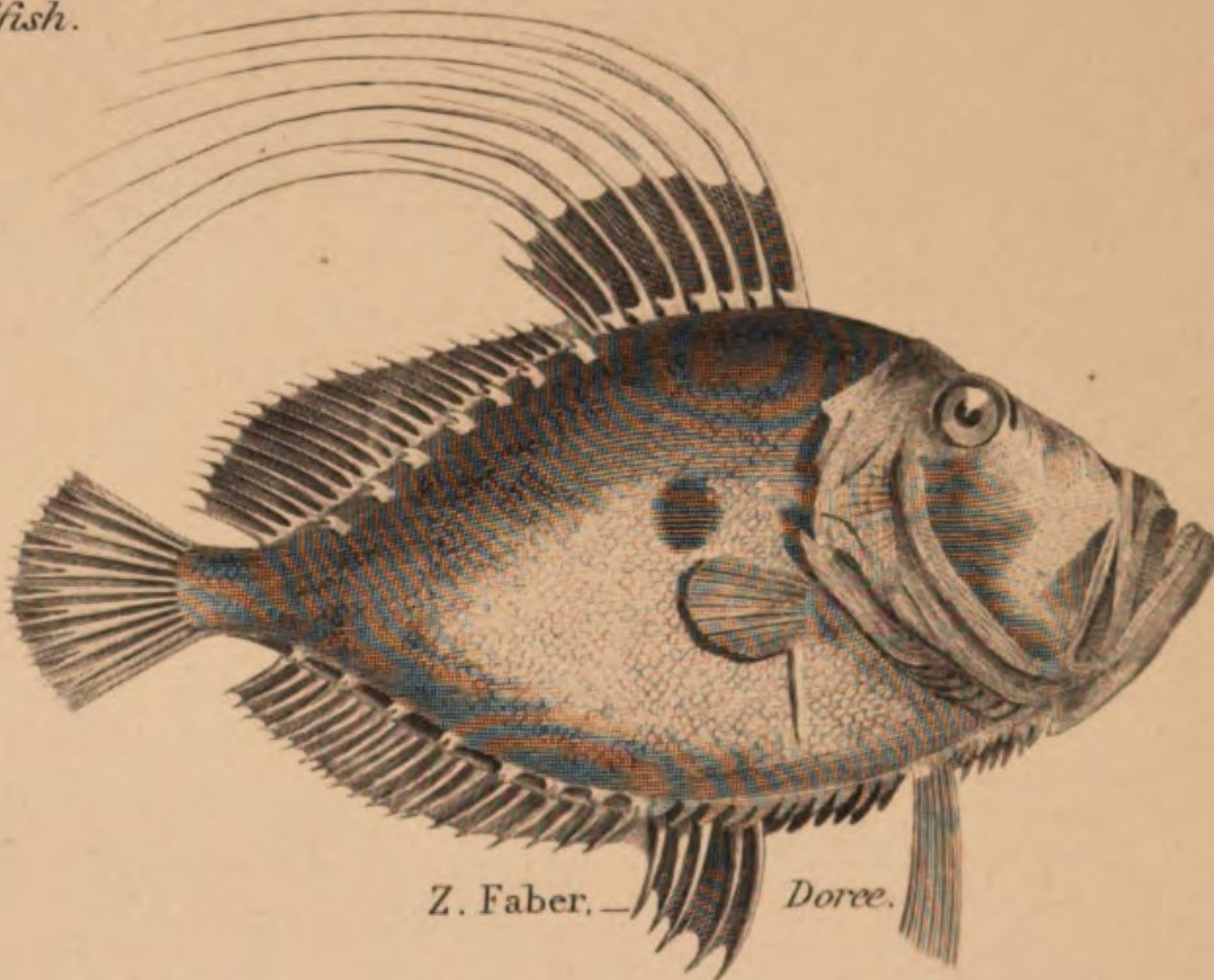
S. Scomber, — Mackerell.



X. Gladius, — Swordfish.



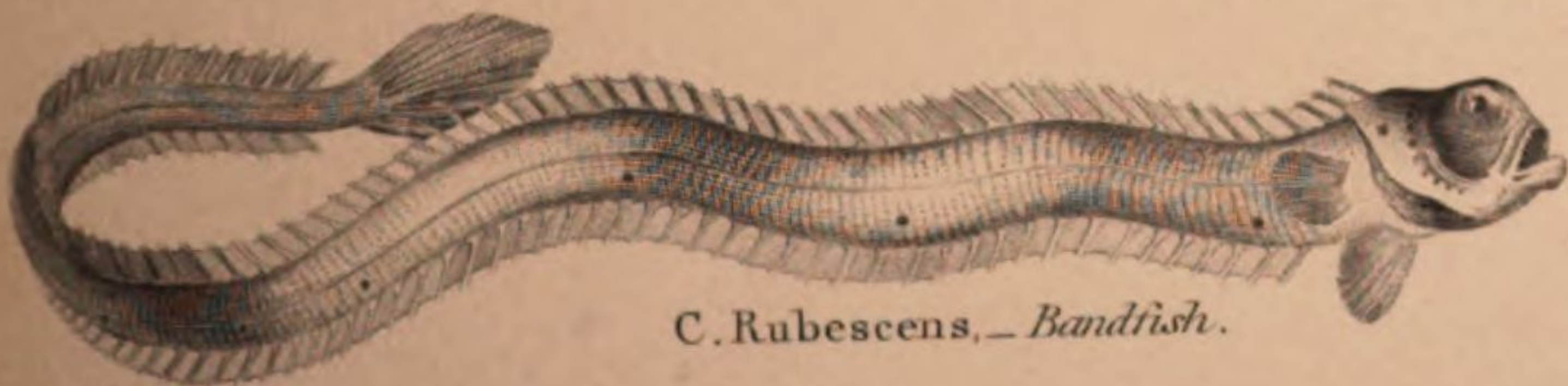
A. Guttatus.



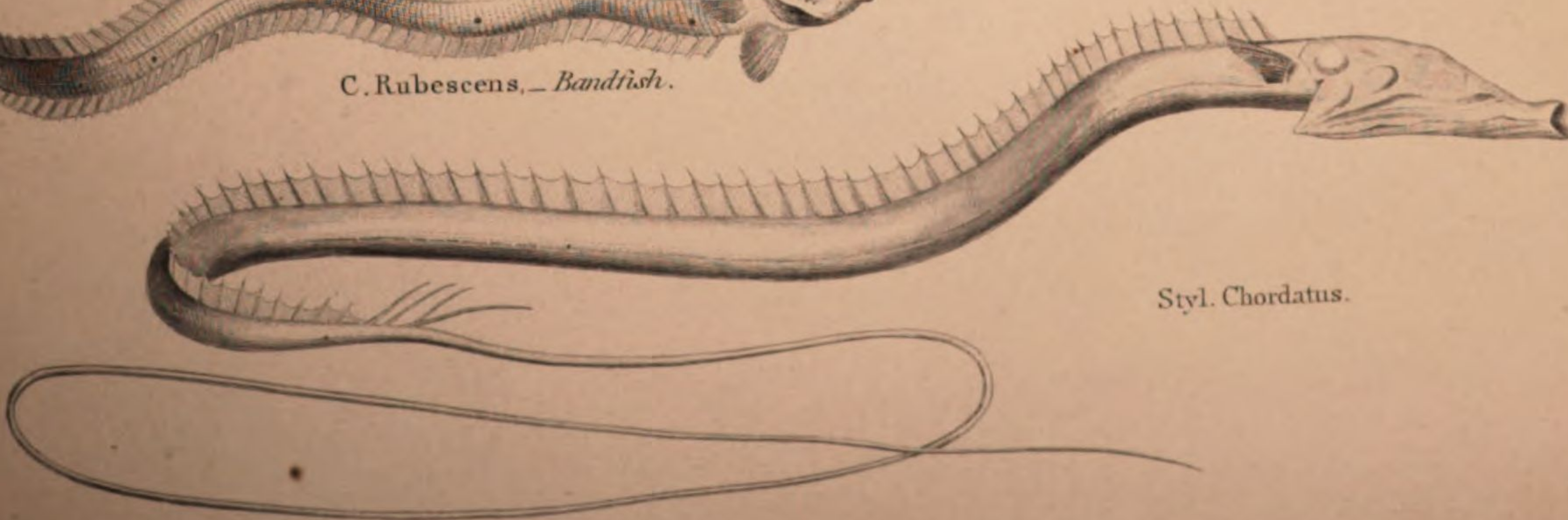
Z. Faber, — Doree.



T. Lepturus.



C. Rubescens, — Bandfish.



Styl. Chordatus.

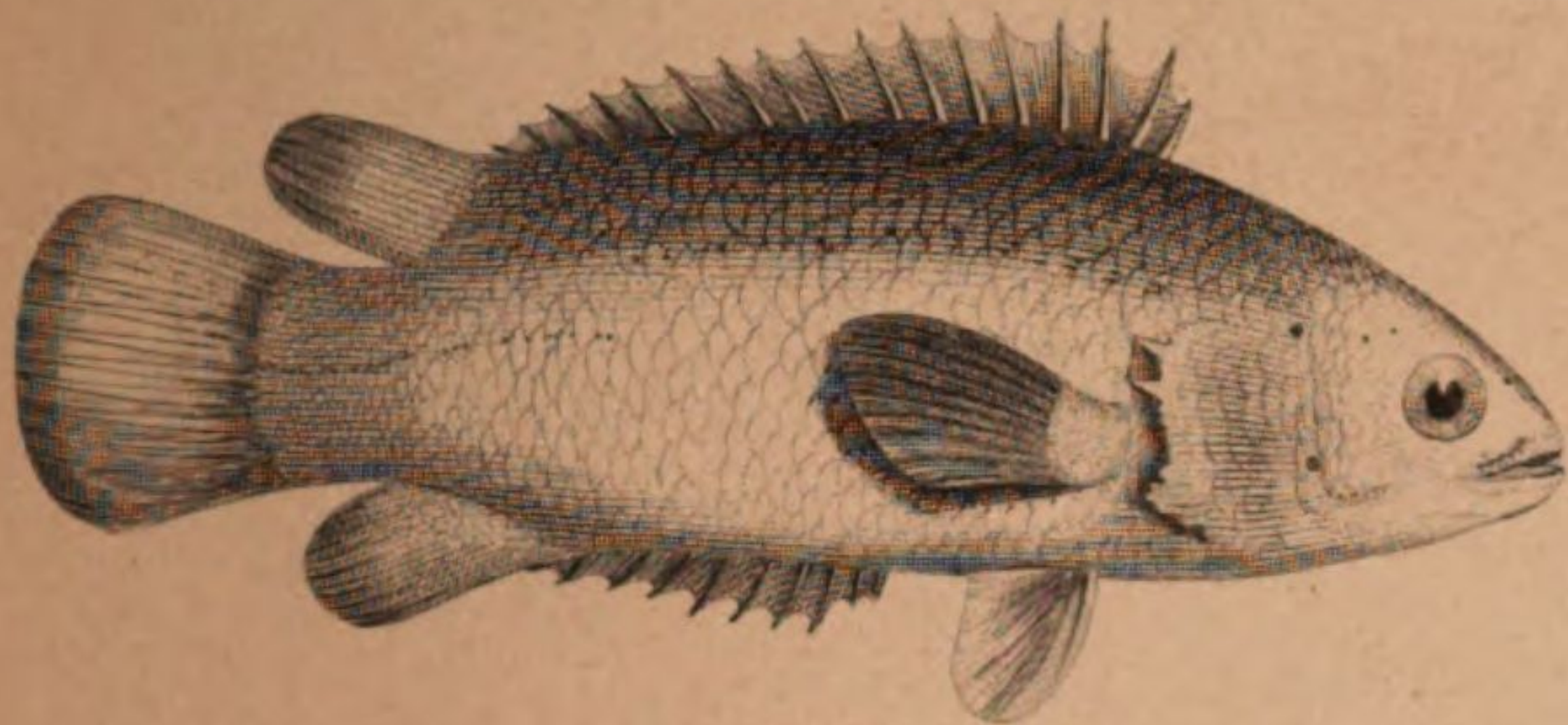
PISCES.

PLATE 4.

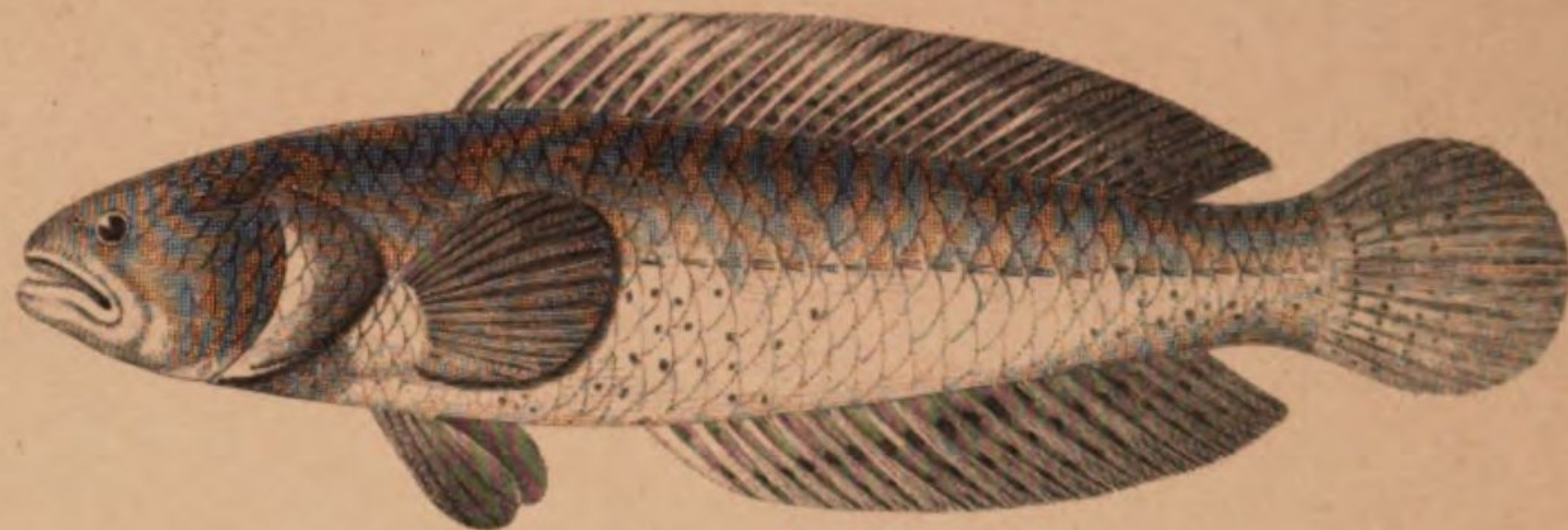
Order: Acanthopterygii.

Family: Labyrinthiformes, Mugiloides, Gobioides.

Genera: Anabas, Ophicephalus, Mugil, Blemius, Anarrhichas, Gobius.



Anab. Testudineus.



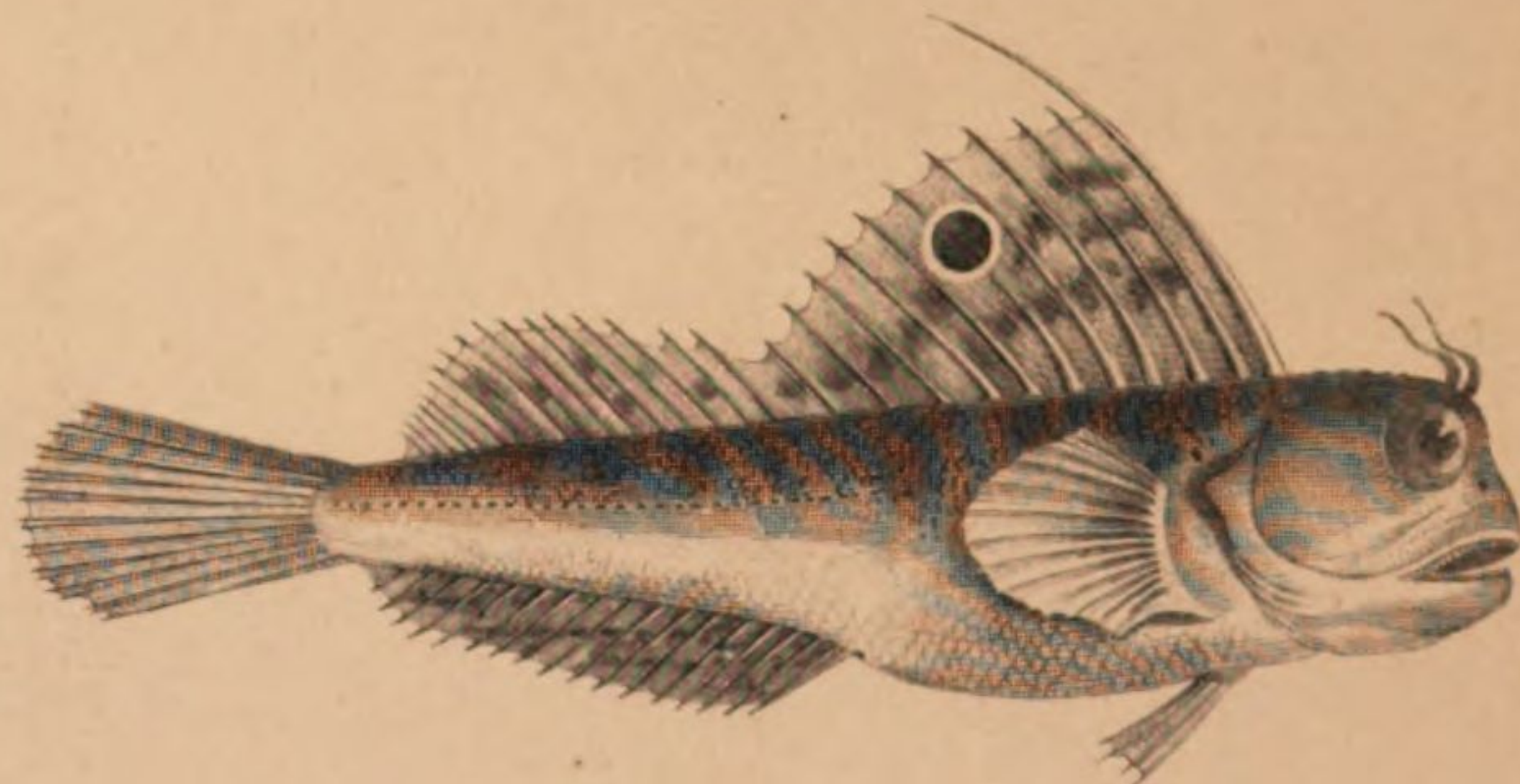
O. Punctatus, Dotted Snakehead.



M. Cephalus, Mullett.



G. Niger, Black Goby.



B. Ocellaris, Butterfly-fish.



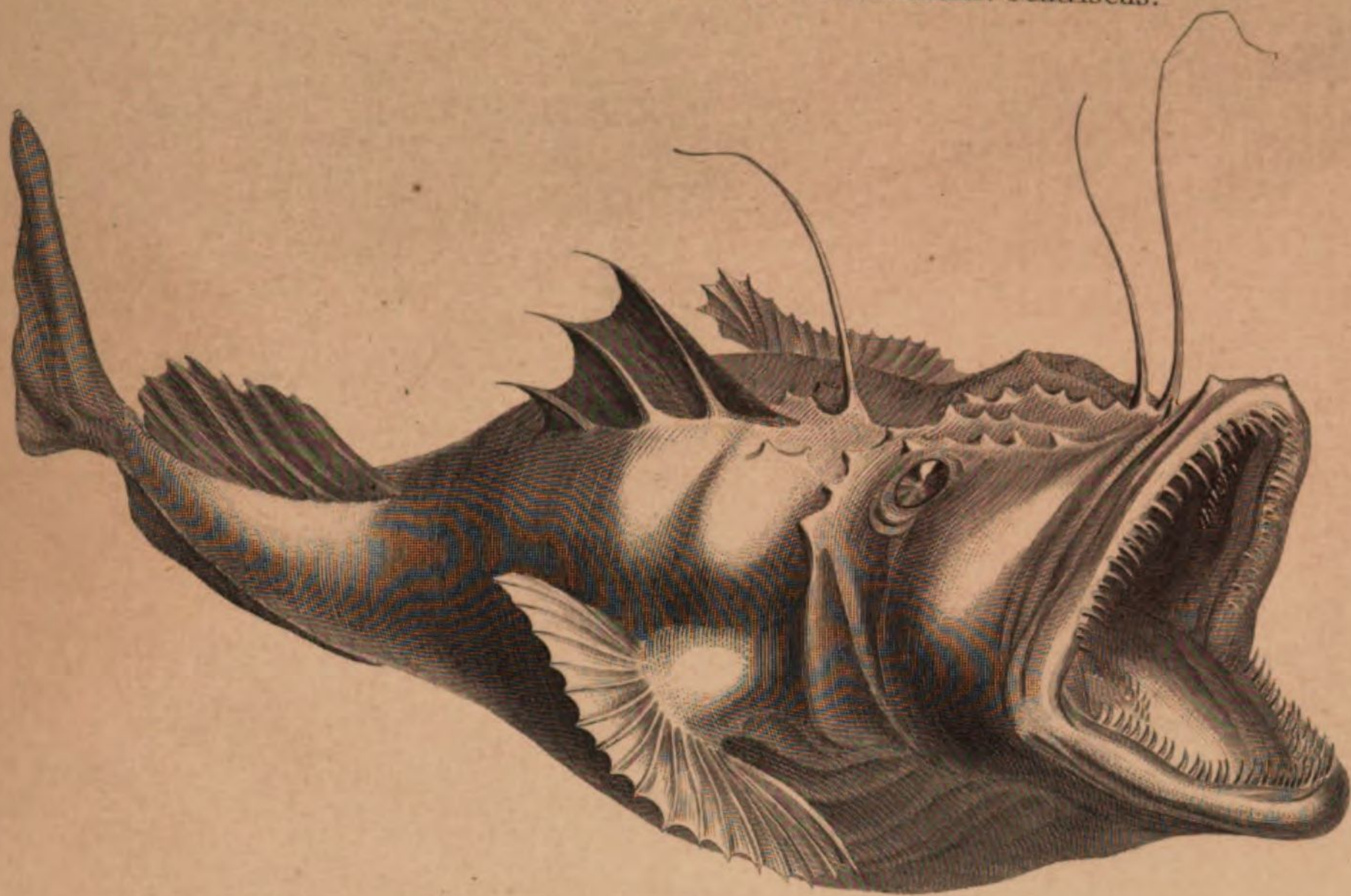
Anarr. Lupus, Wolf-fish.

PISCES.

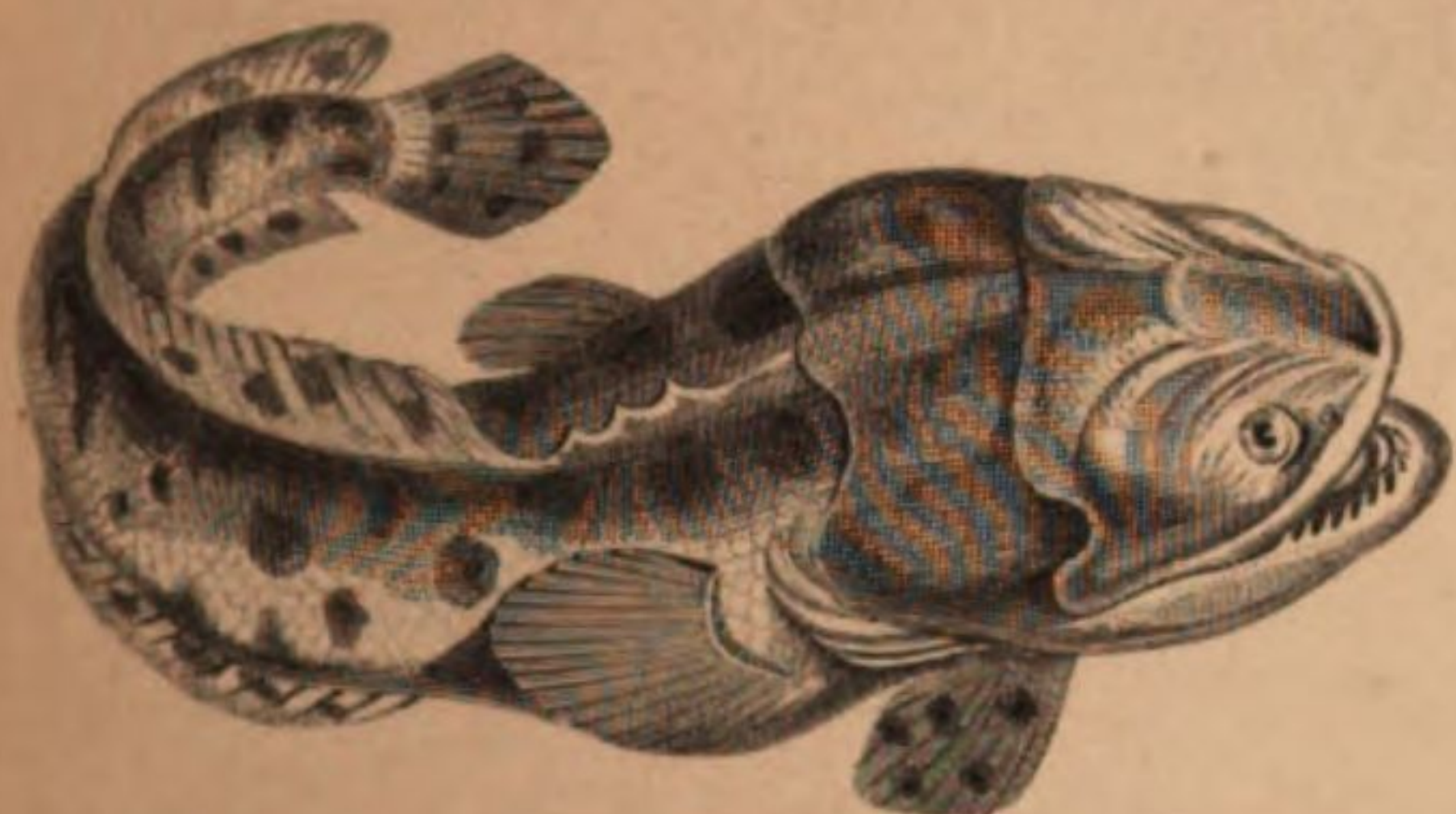
Order. Acanthopterygii.

Family. Pectoralipedes. Labroides. Anlostomes.

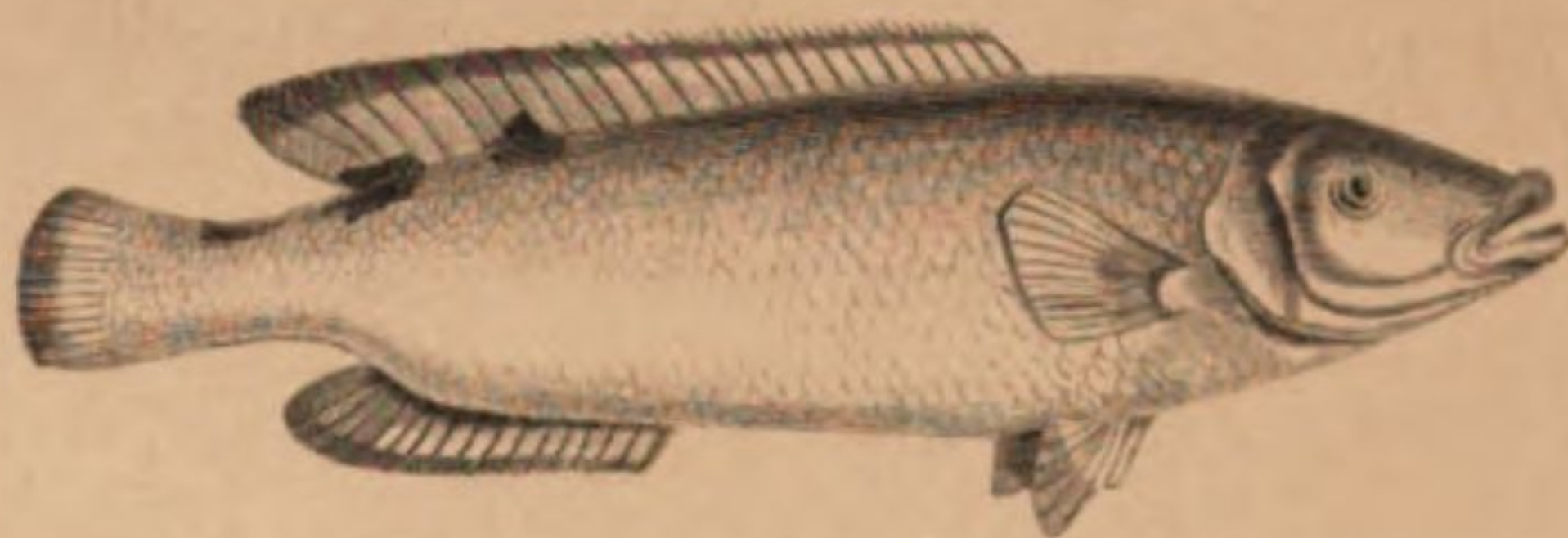
Genera. Lophius. Barachus. Labrus. Scarus. — Fistularia. Centriscus.



Loph. Piscatorius — Common Angler.



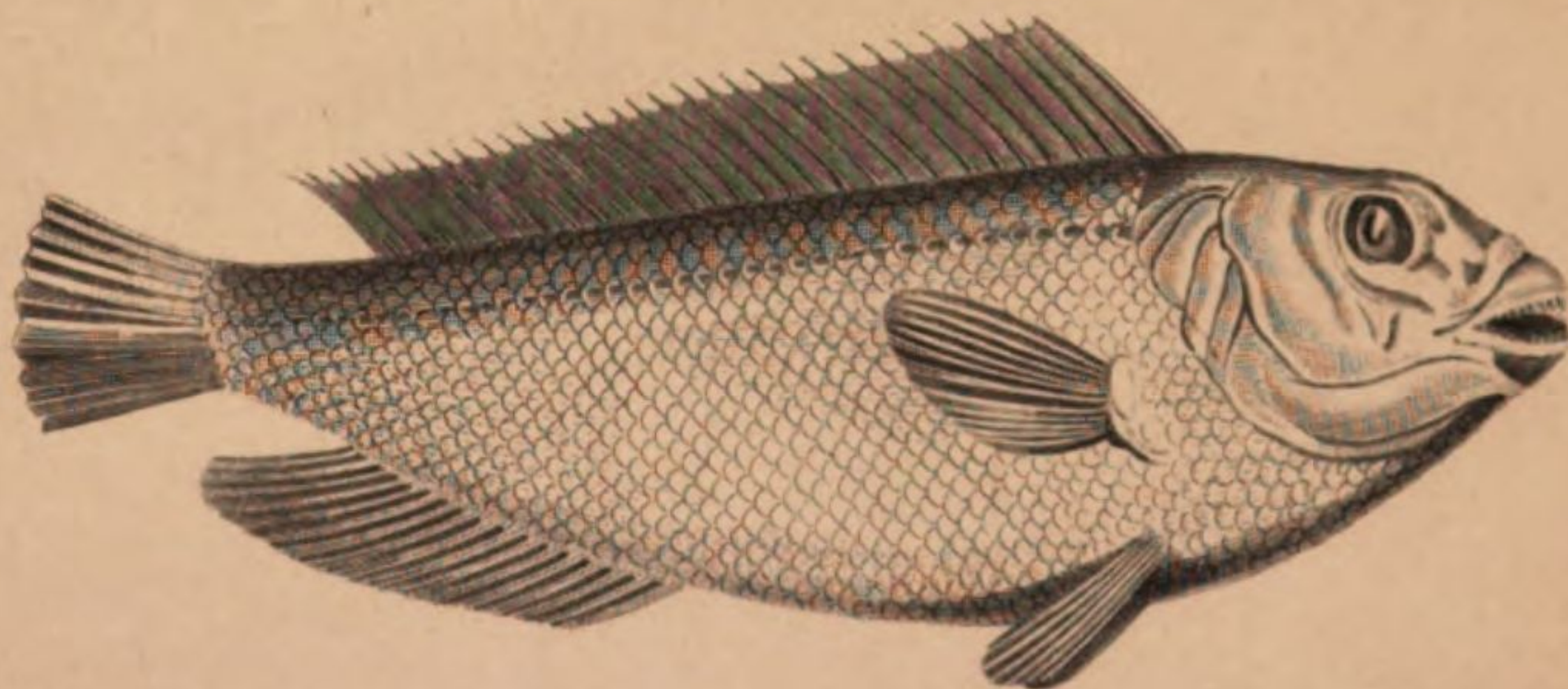
B. Surinamensis — Surinam Toad-fish.



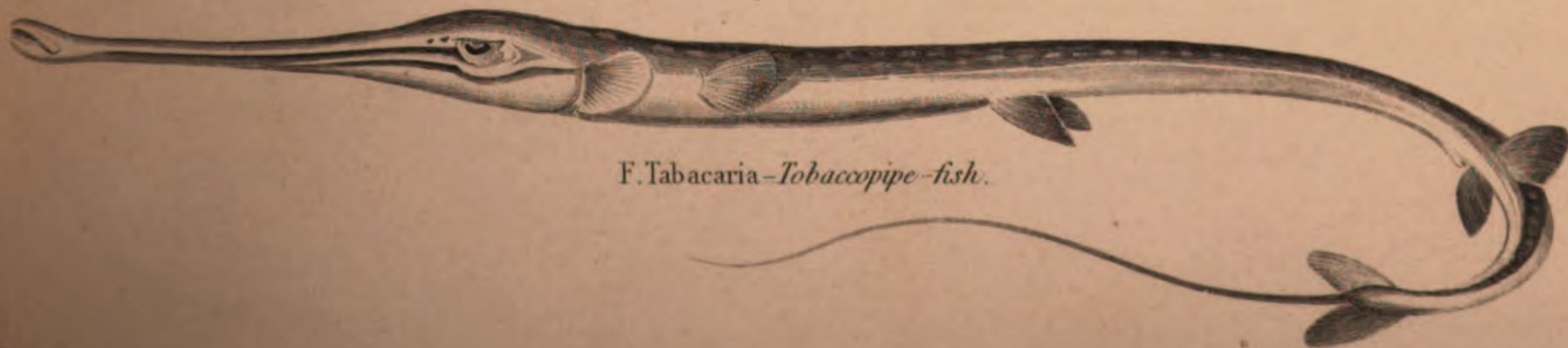
Lab. Carneus — Red Wrasse.



C. Scolopax — Tobacco-pipe-fish.

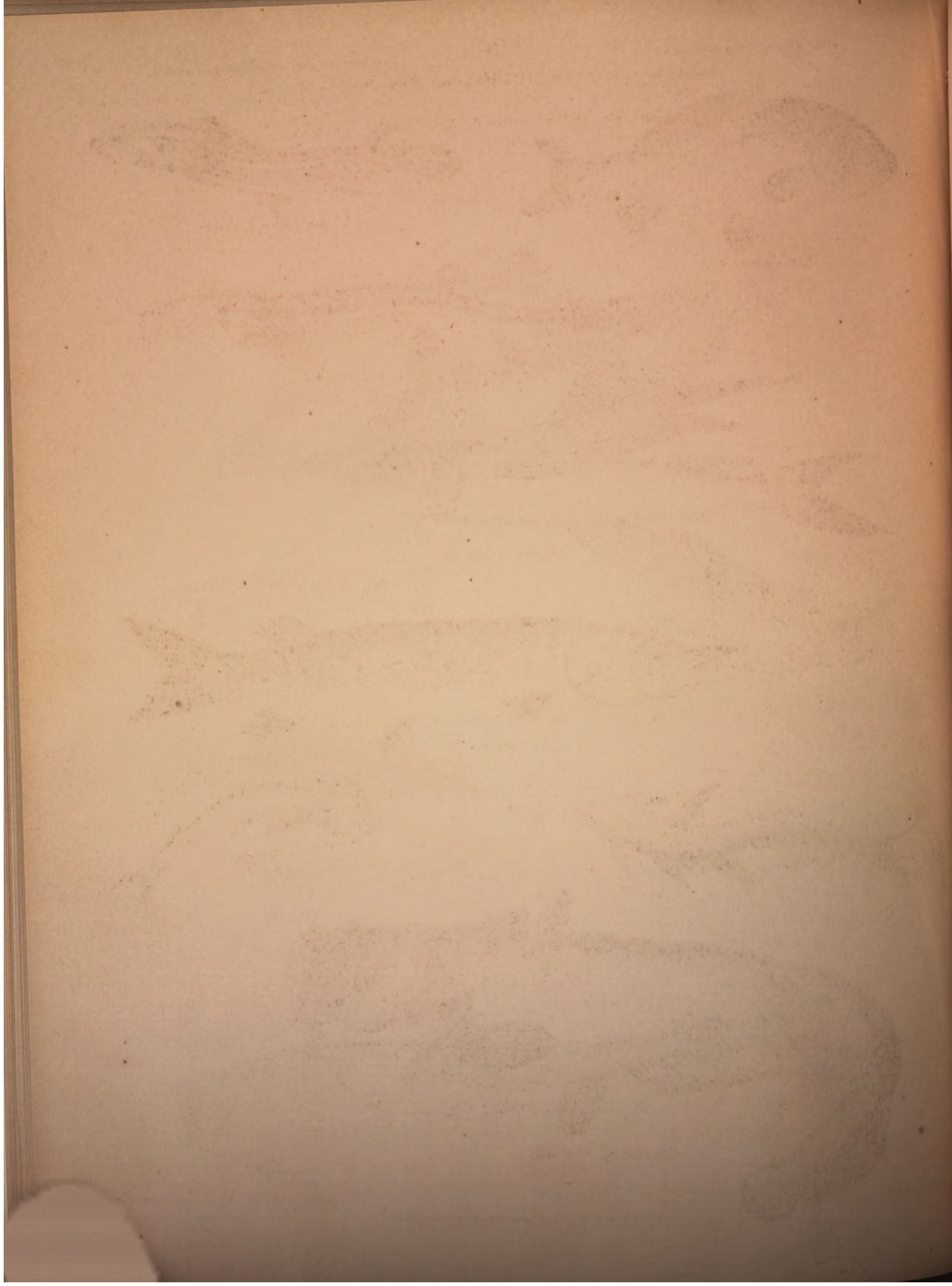


S. Creticus — Cretan Scarus.



F. Tabacaria — Tobacco-pipe-fish.

J. W. Lowry, sculp.



Genera Cyprinus. Cobitis. Anableps. Esox. Exocoetus. Silurus. Pimelodes. Loricaria.



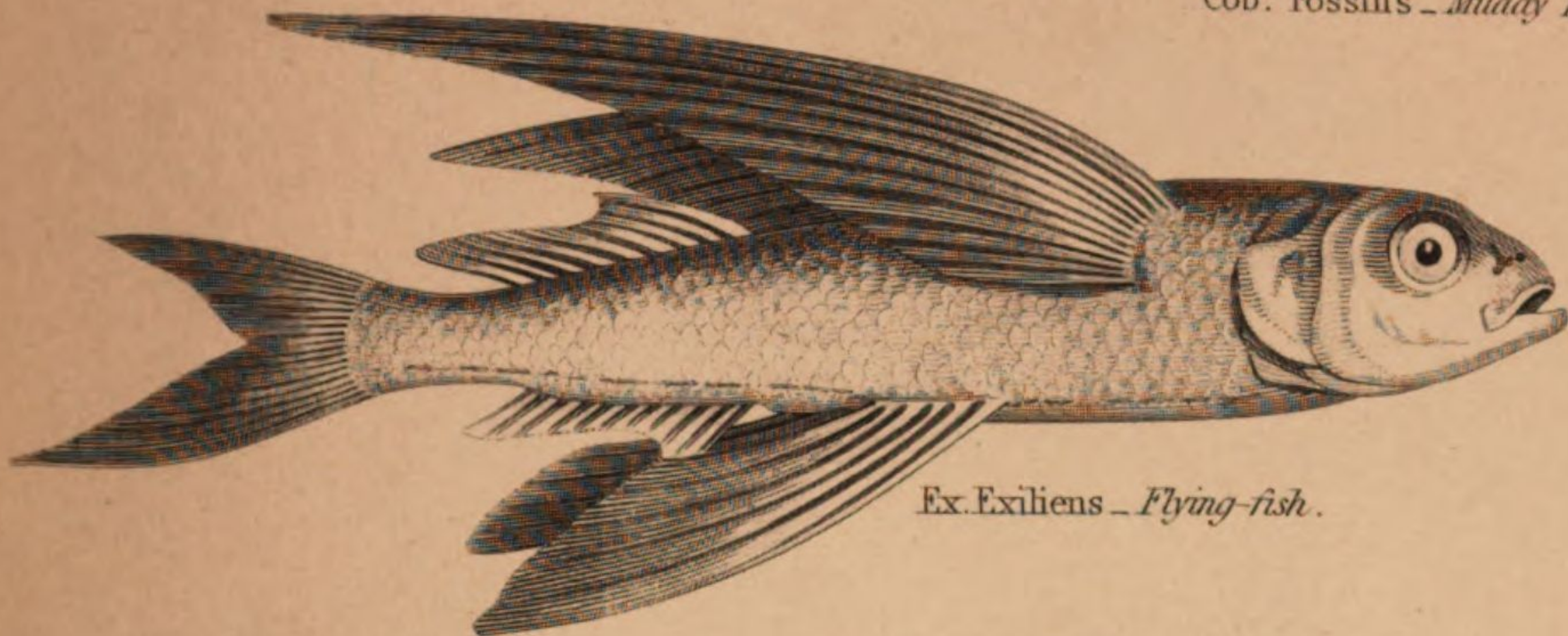
Cyp. Carpio — Carp.



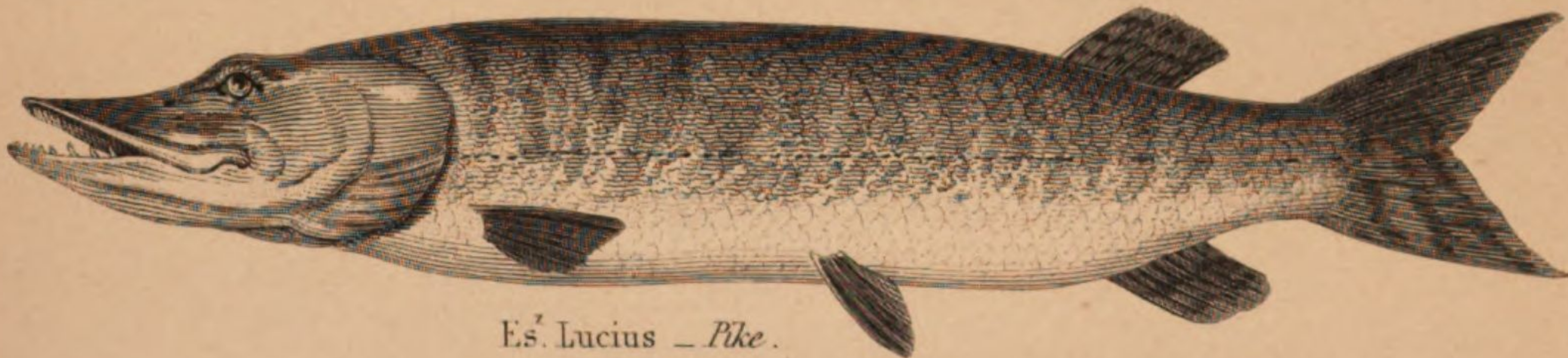
A. Tetrophthalmus — Four-eye.



Cob. Fossilis — Muddy Loach.



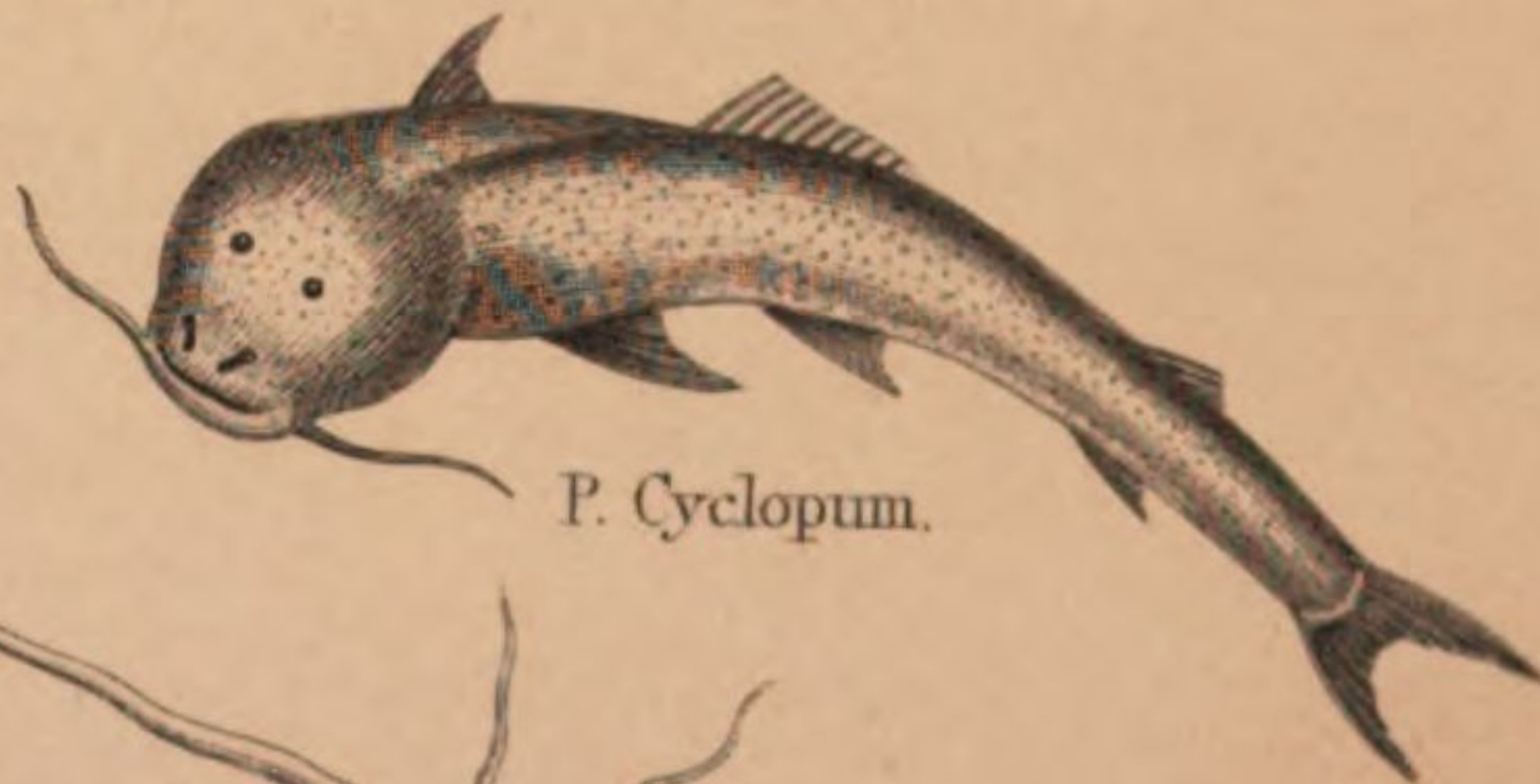
Ex. Exiliens — Flying-fish.



Es. Lucius — Pike.



L. Cirrhosa.



P. Cyclopum.



S. Glanis — Sheat-fish.

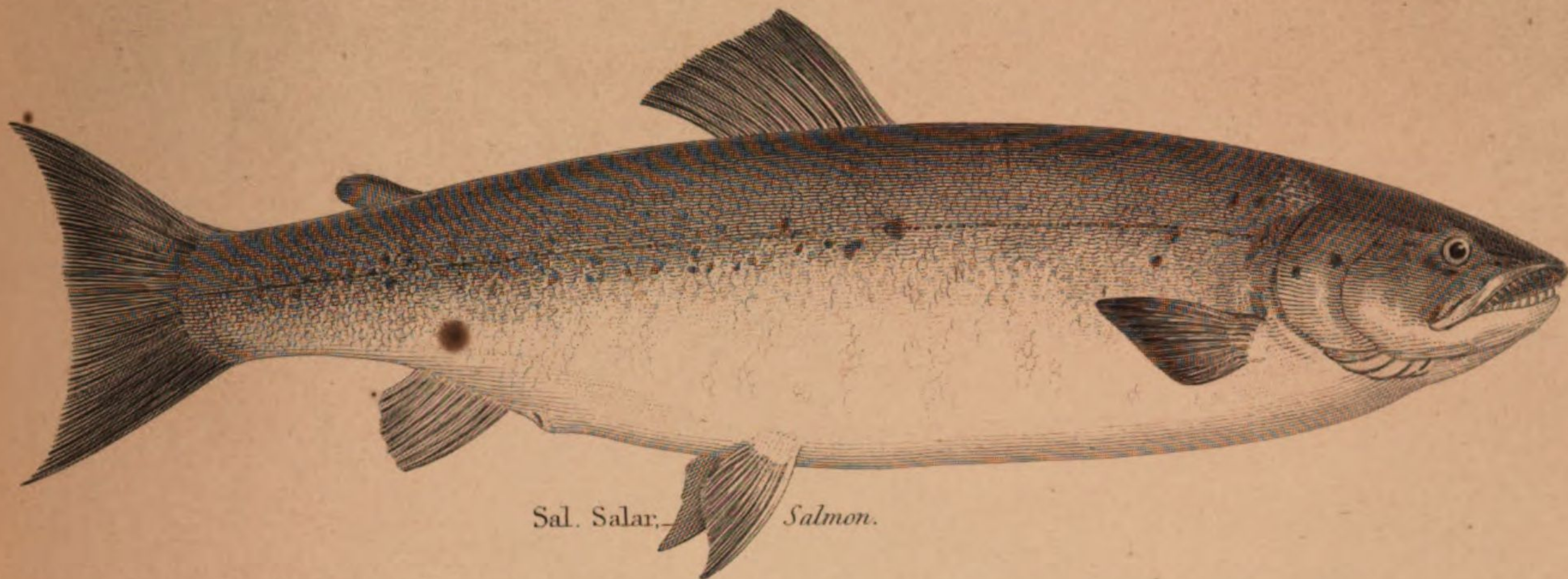
PISCES.

PLATE 7.

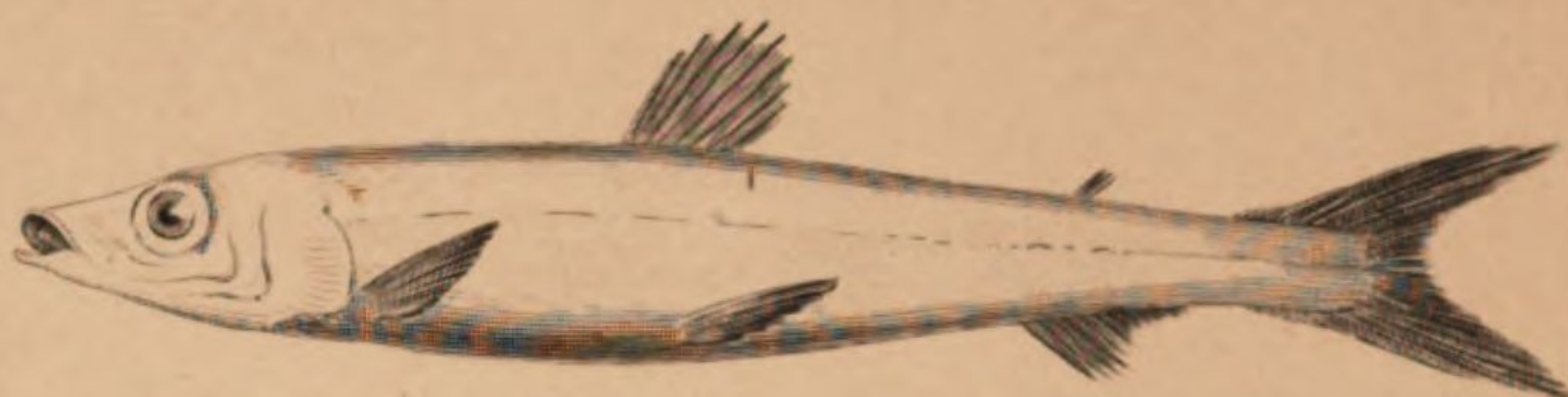
Order: Malacopterygii Abdominals.

Genera: Salmo, Argentinia, Saurus, — Clupea, Gnathobolus, Polypterus.

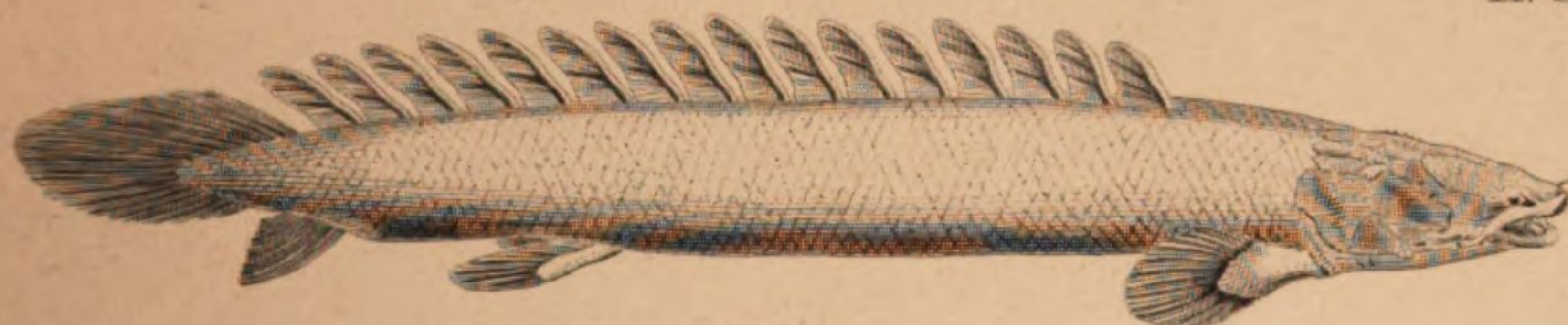
Family: Salmonides, Clupeoides.



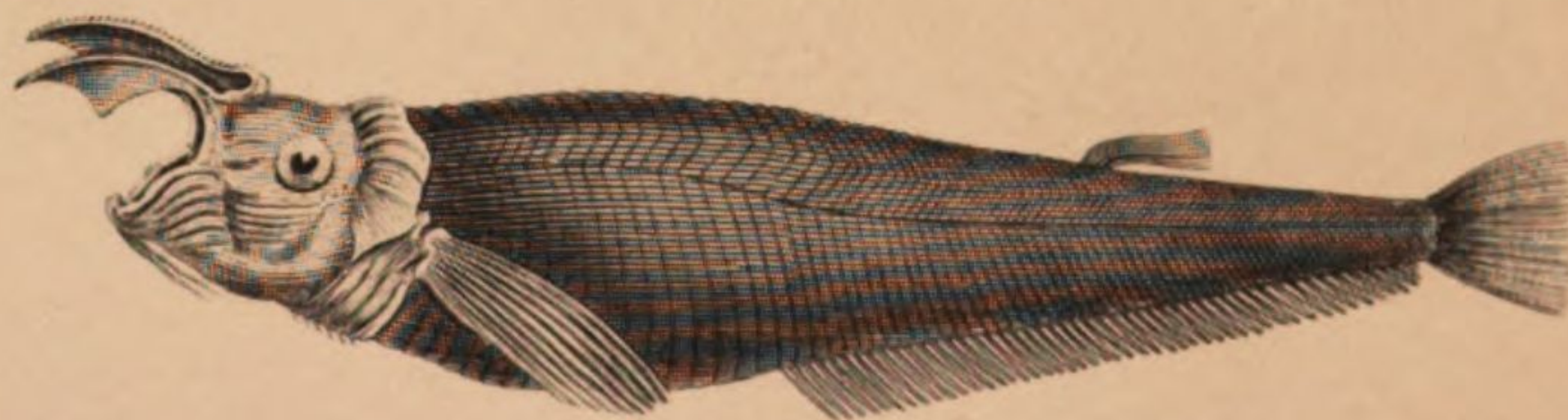
Sal. Salar. — Salmon.



A. Sphyraena.



P. Bichir.



G. Aculeatus.



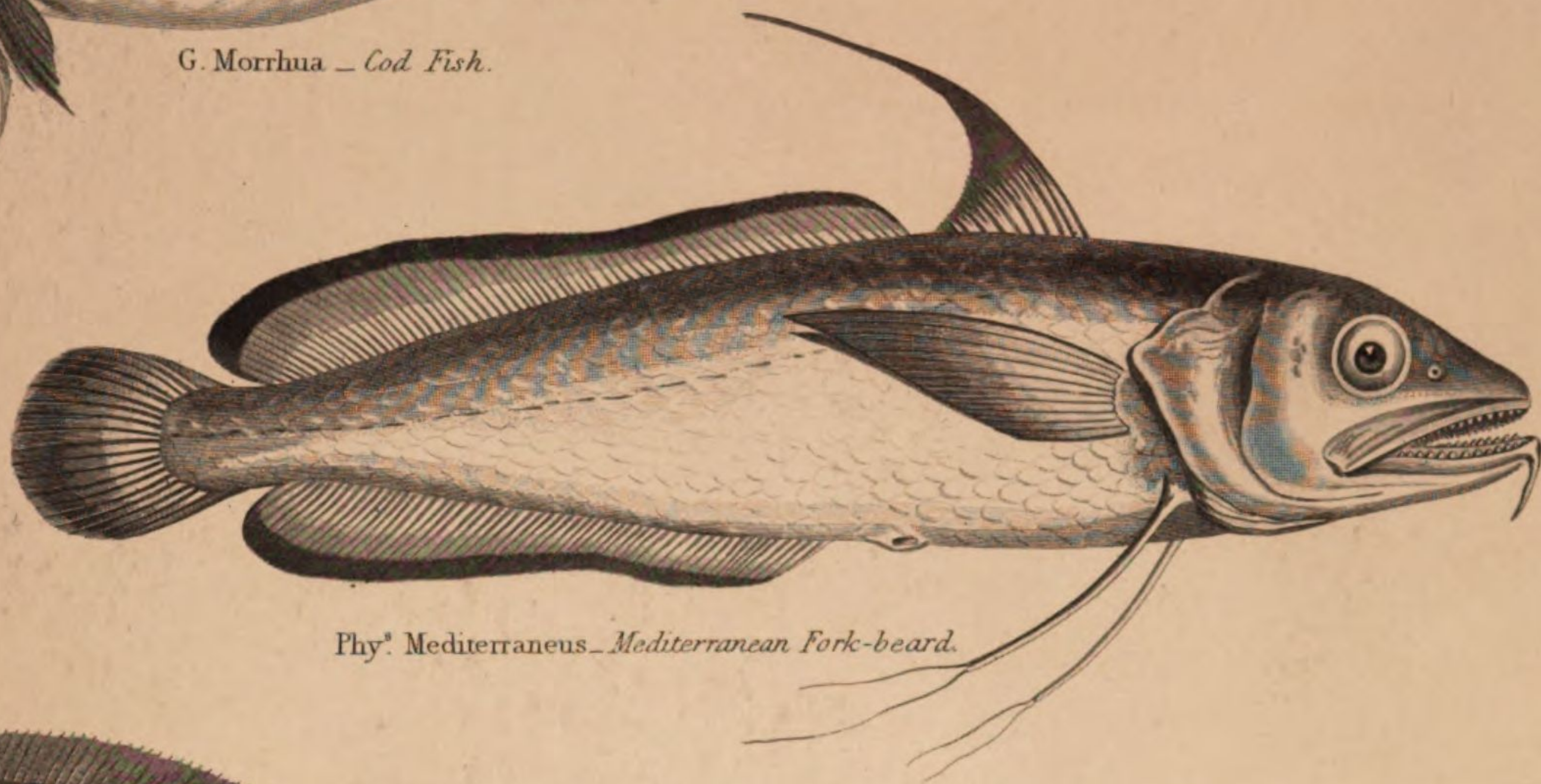
C. Harengus. Herring.



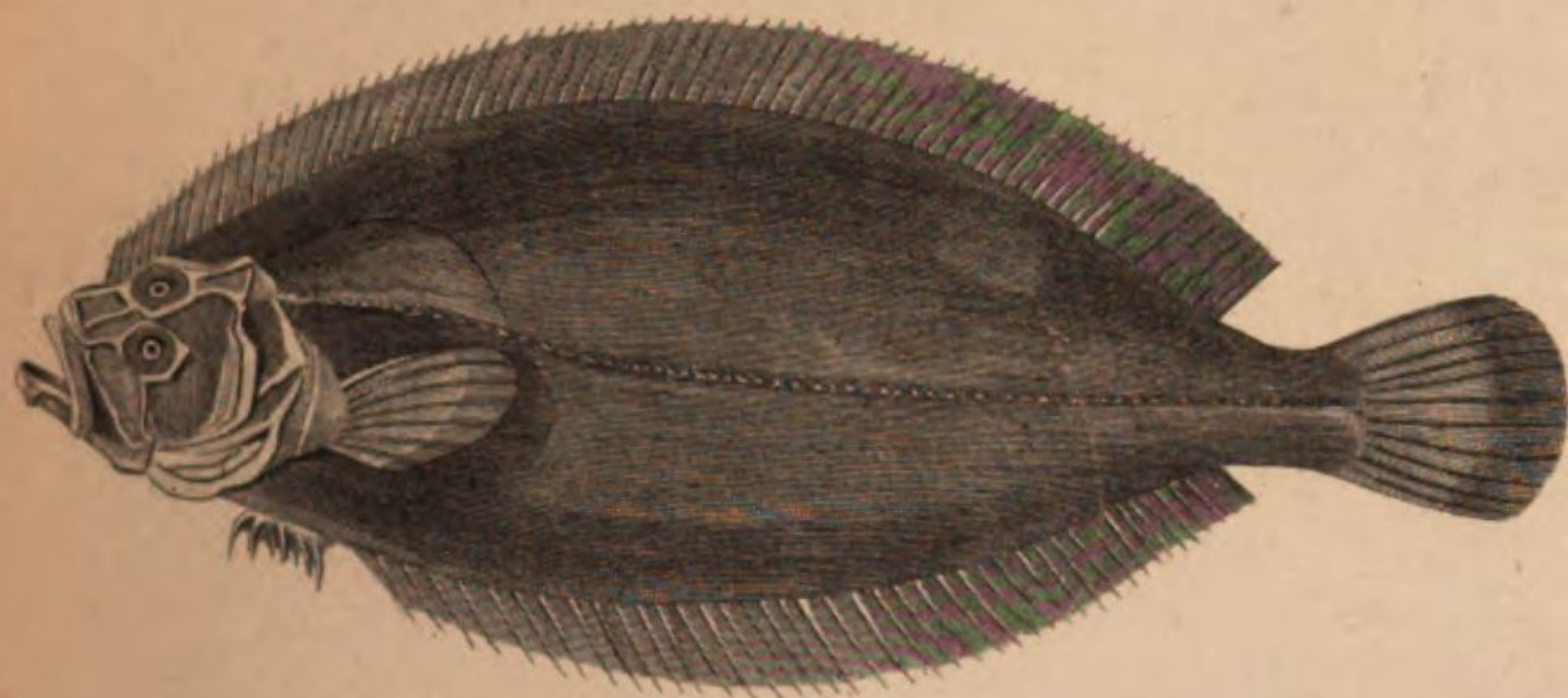
Saur. Fetens. — Fetid Saury.



G. Morrhua — Cod Fish.



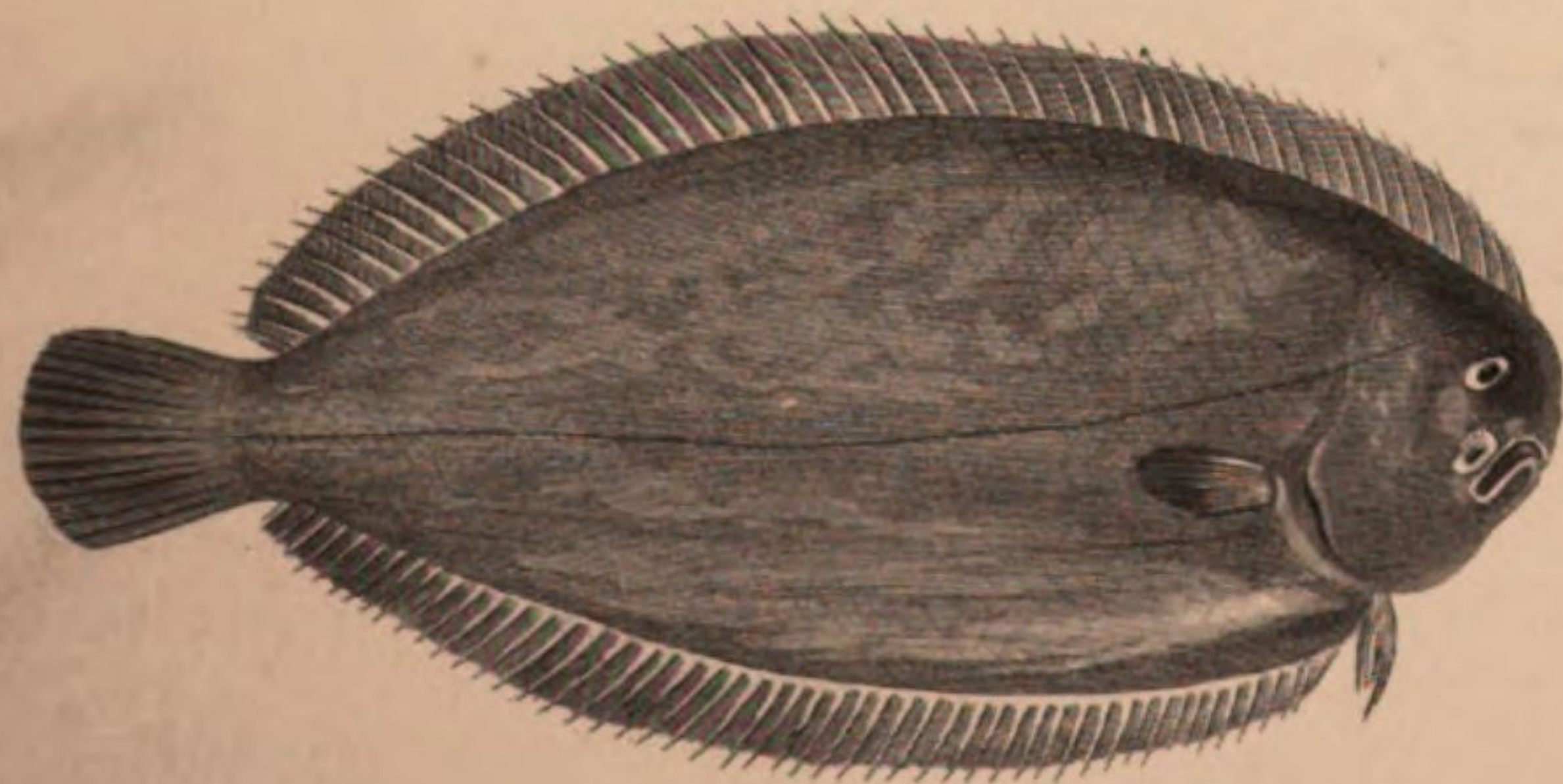
Phy. Mediterraneus — Mediterranean Fork-beard.



R. Megastoma — Whiff.



Plat. Vulgaris — Plaice.



S. Vulgaris — Sole.

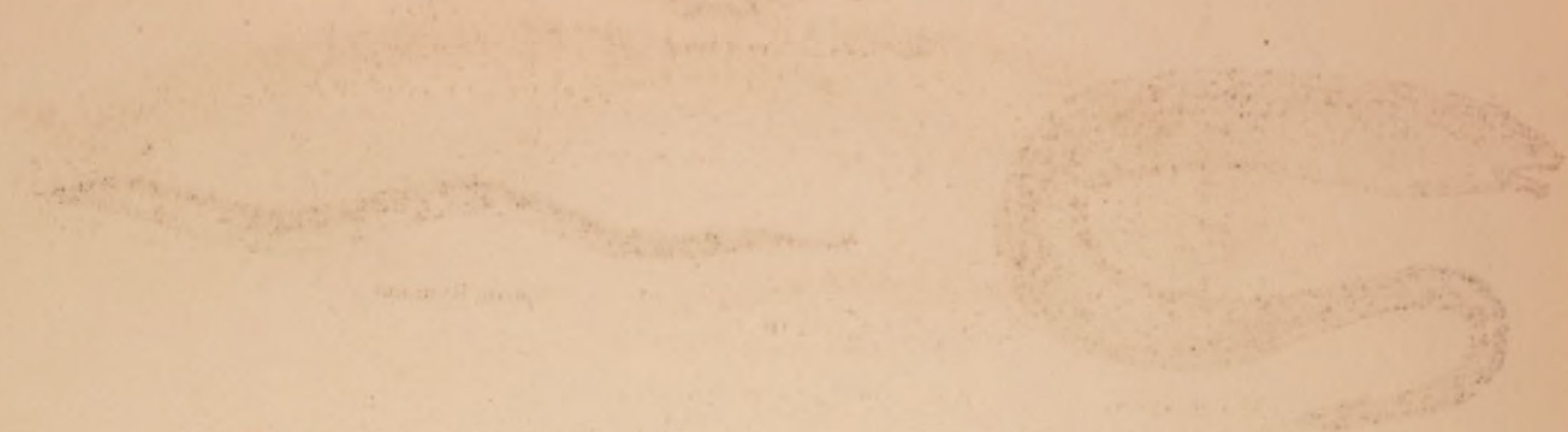


E. Remora. Common Remora.



L. Cornubiensis — Cornish Sucker.





PISCES.

PLATE 9.

Order. Malacopterygii Apodes.

Family. Anguilliformes.

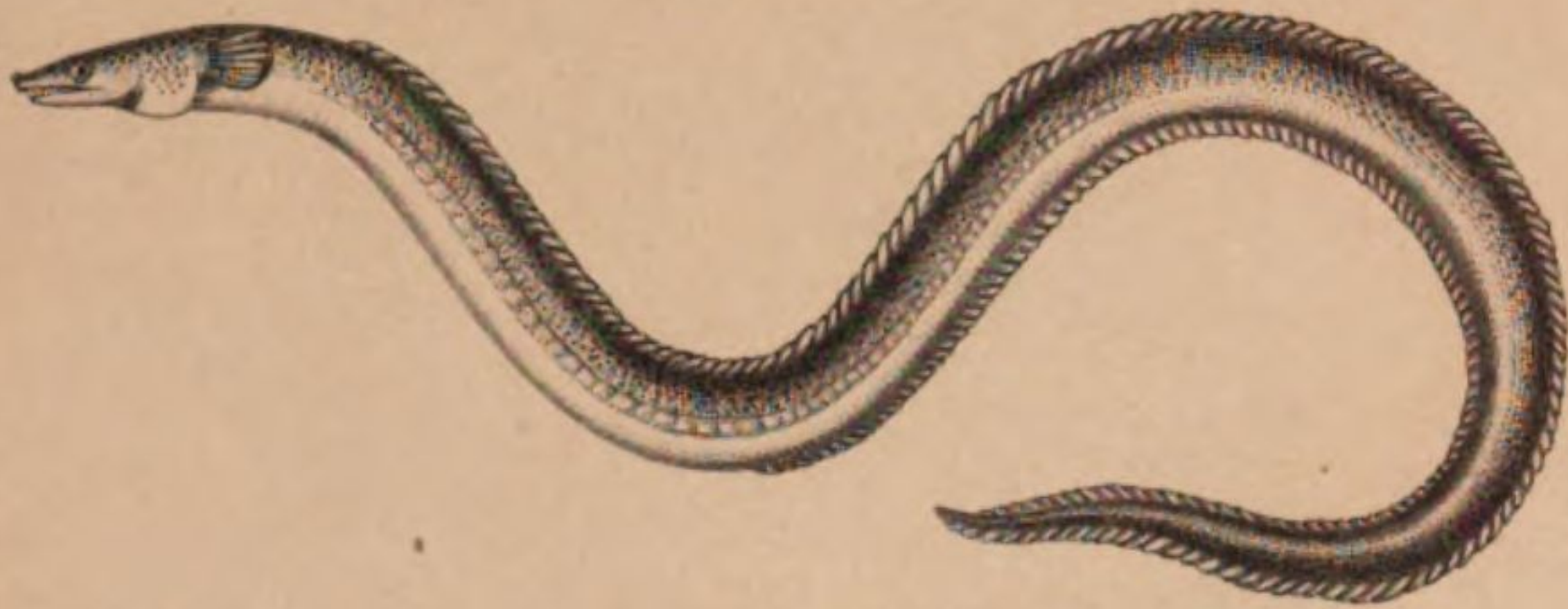
Genera. Anguilla, Conger, Ophisurus, Muræna, Sphagebranchus, Saccopharynx, Gymnonotus, Leptocephalus, Ophidium, Ammodytes.



Ang. Acutirostris — Sharpnosed Eel.



C. Vulgaris — Conger.



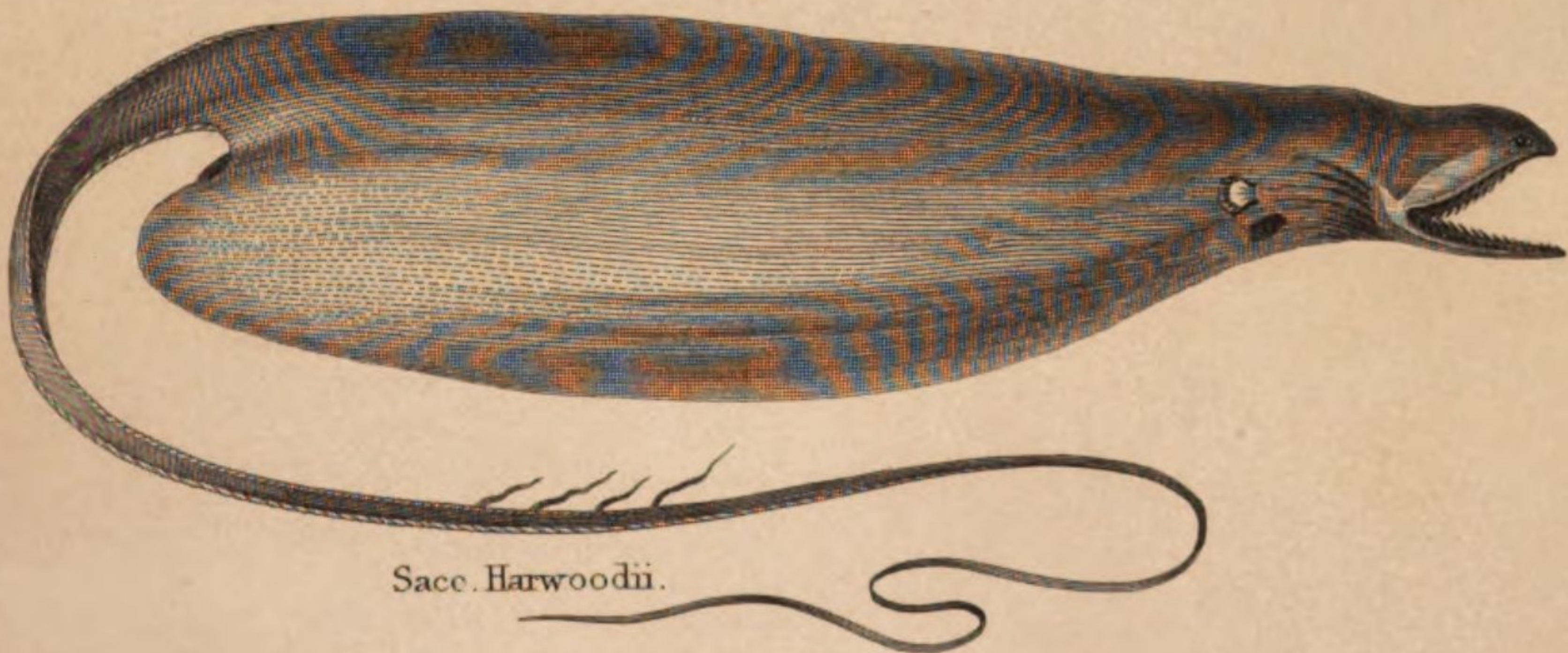
Ophis. Hyala — Glassy Ophisure.



M. Meleagris.



Sphag. Rostratus.



Sacc. Harwoodii.



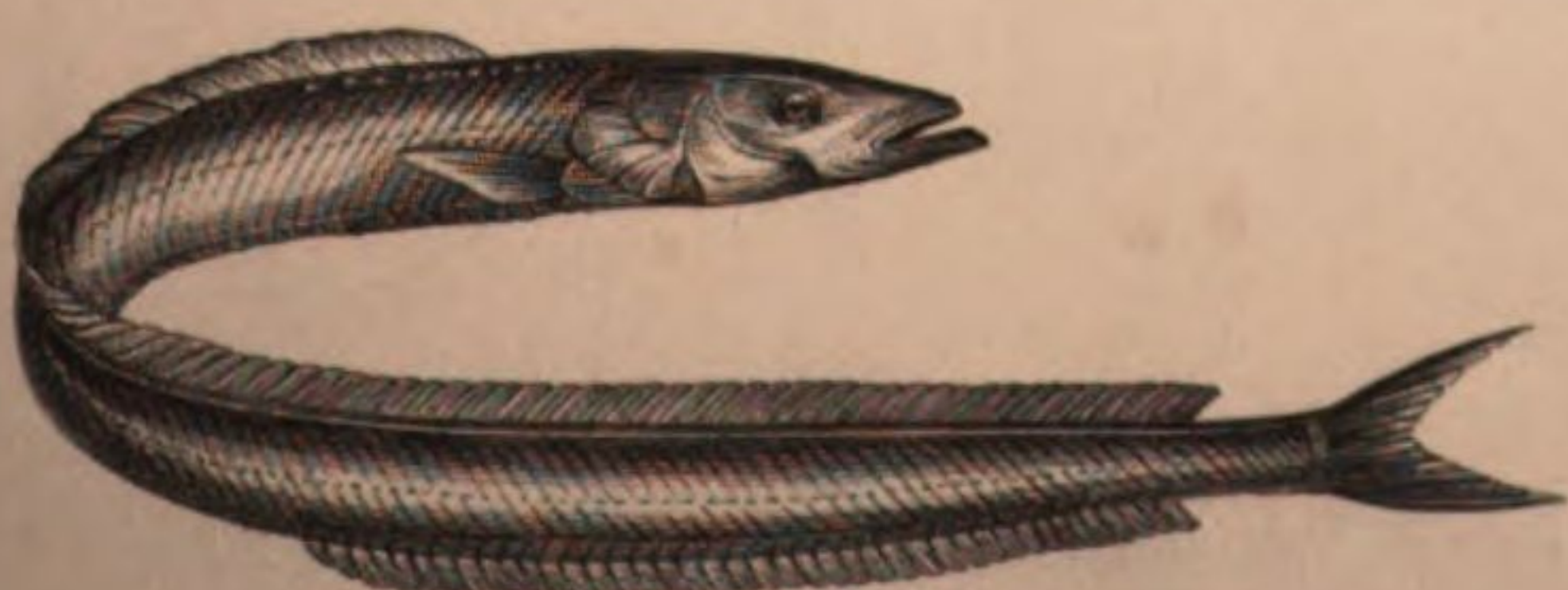
G. Equilabius — Evenlipped Gymnote.



L. Morrisii — Anglesea Morris.



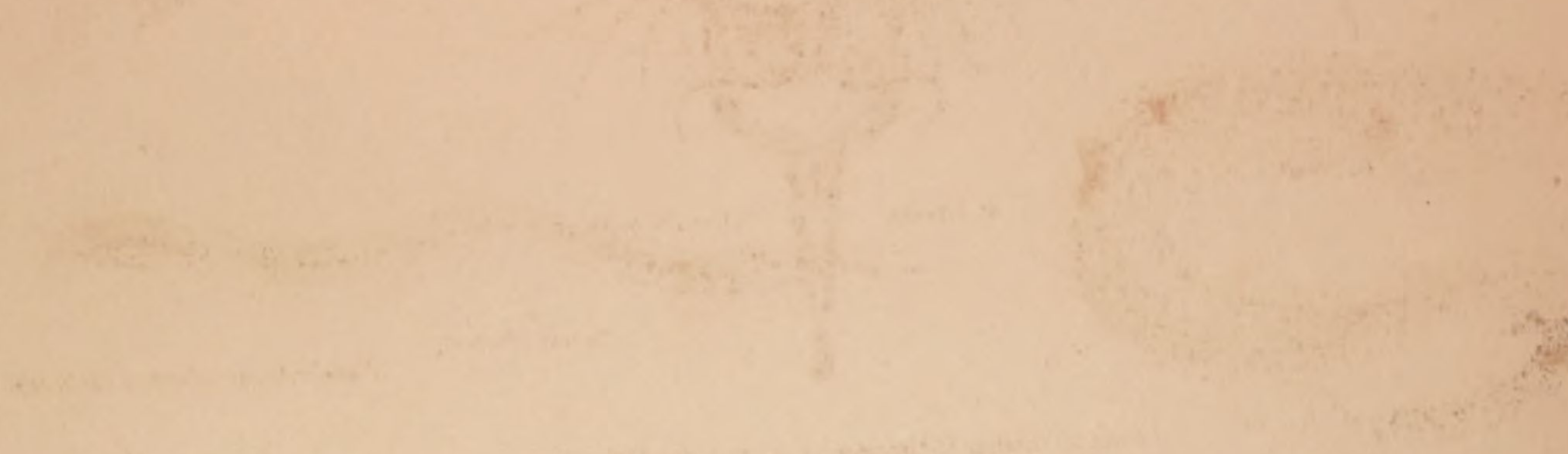
Ophid. Imberbe — Beardless Ophidium.



Ammod. Lancea — Sand-Launce.

M^r Holmes delin.

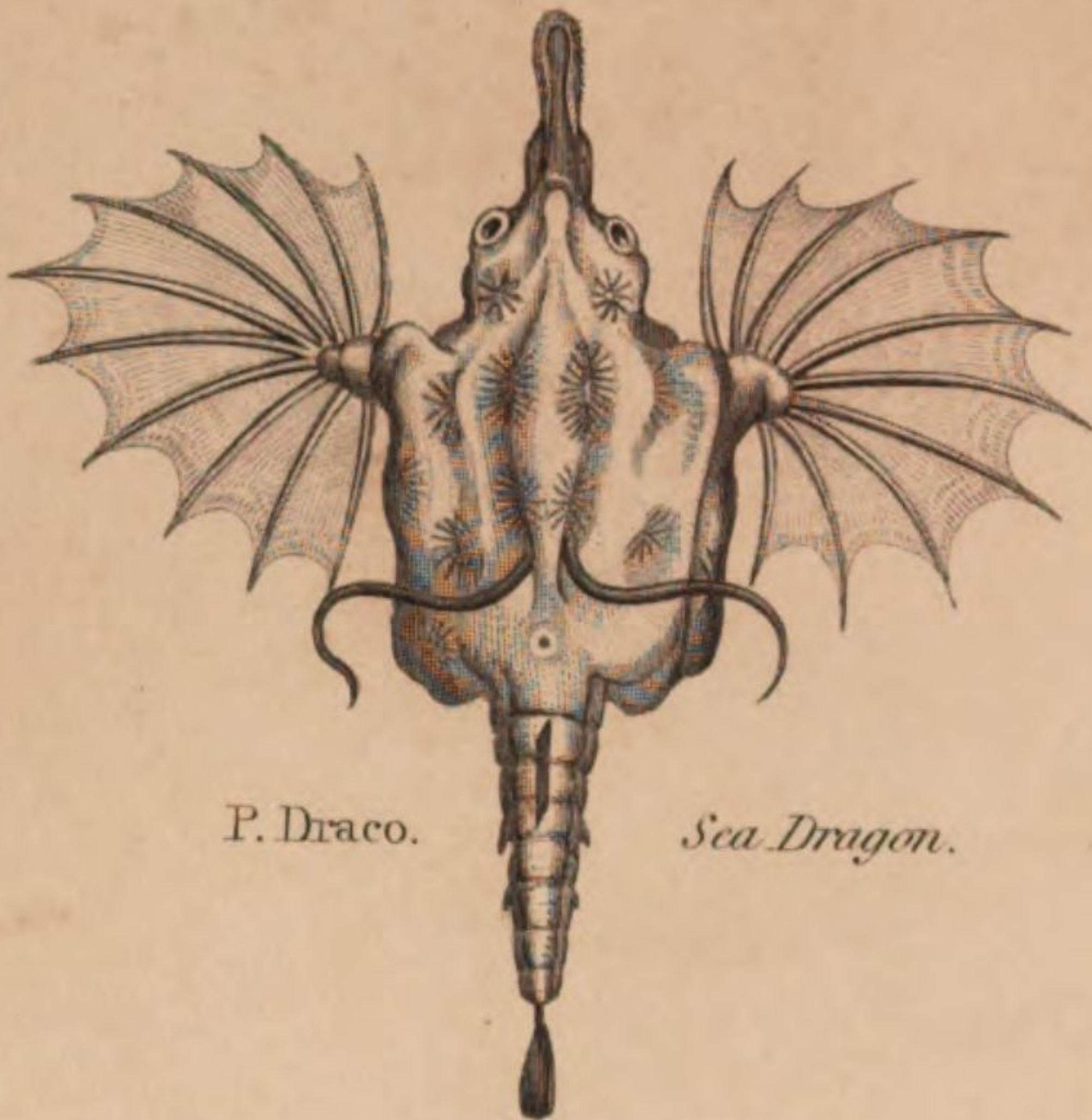
J. W. Lowry sculp.



Genera. Syngnathus. Pegasus.



S. Typhle. Needle-fish.



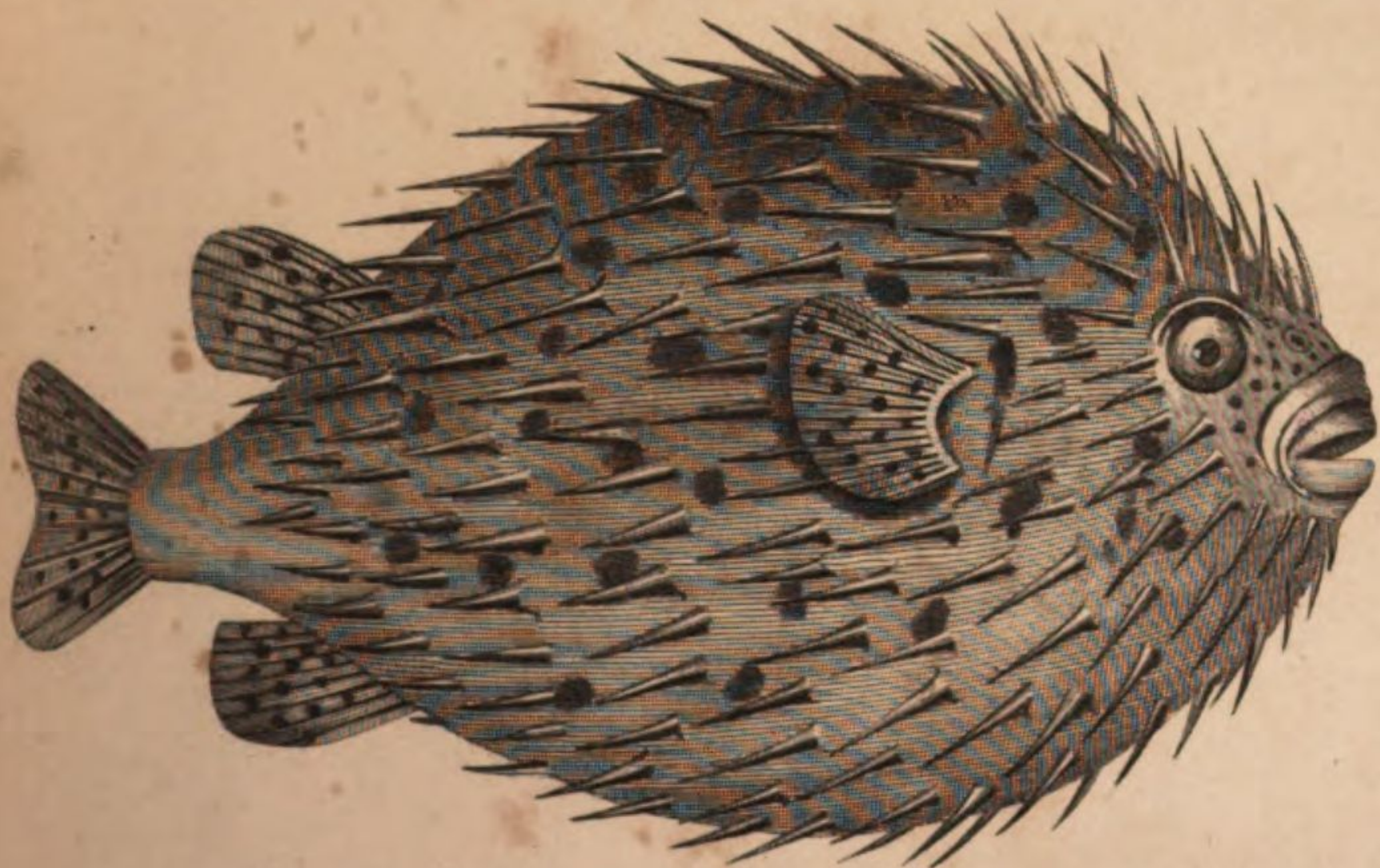
P. Draco.

Sea Dragon.

Order: Plectognathi.

Family. Gymnodontes Sclerodermes.

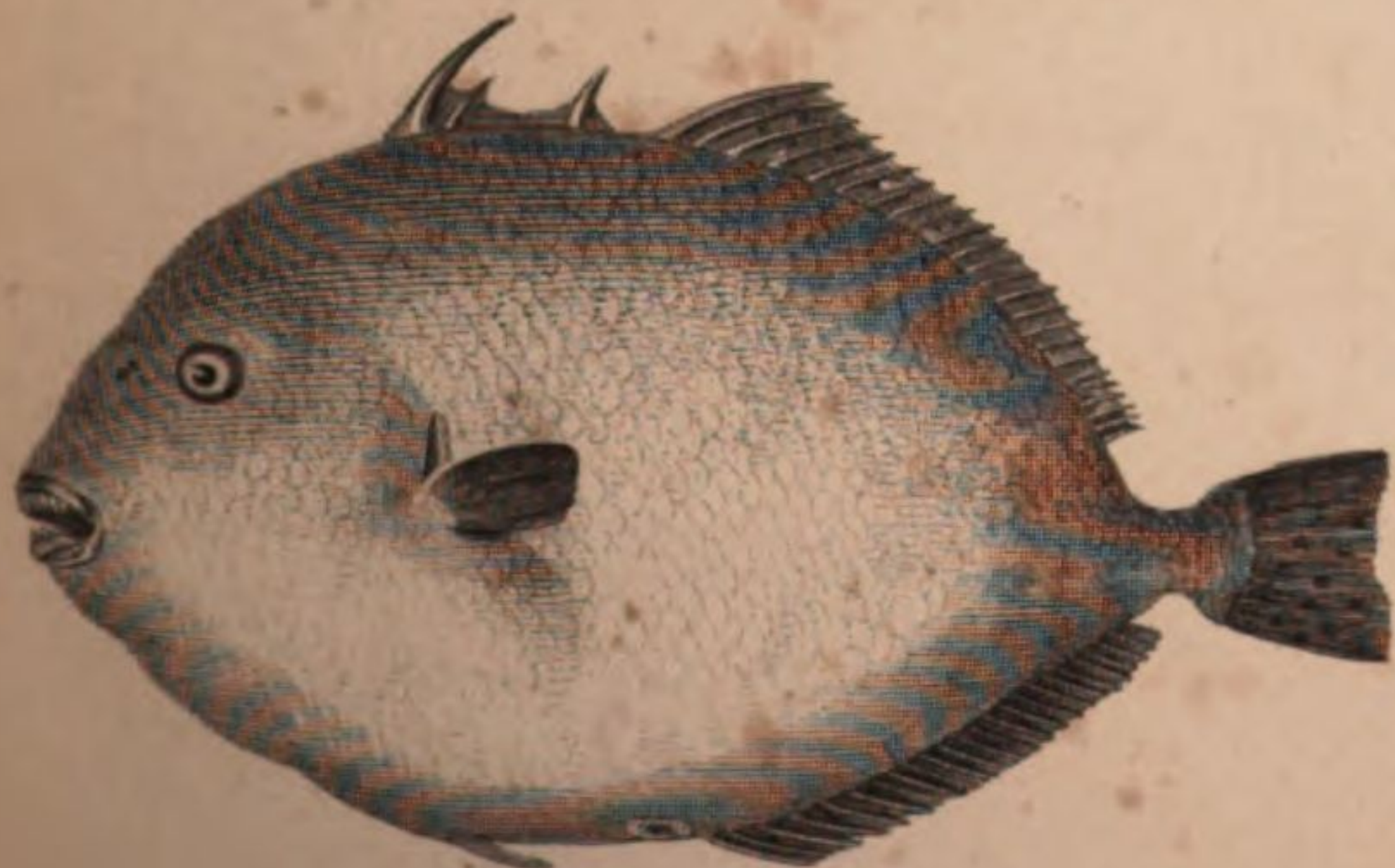
Genera. Diodon, Orthragoriscus Balistes, Ostracion.



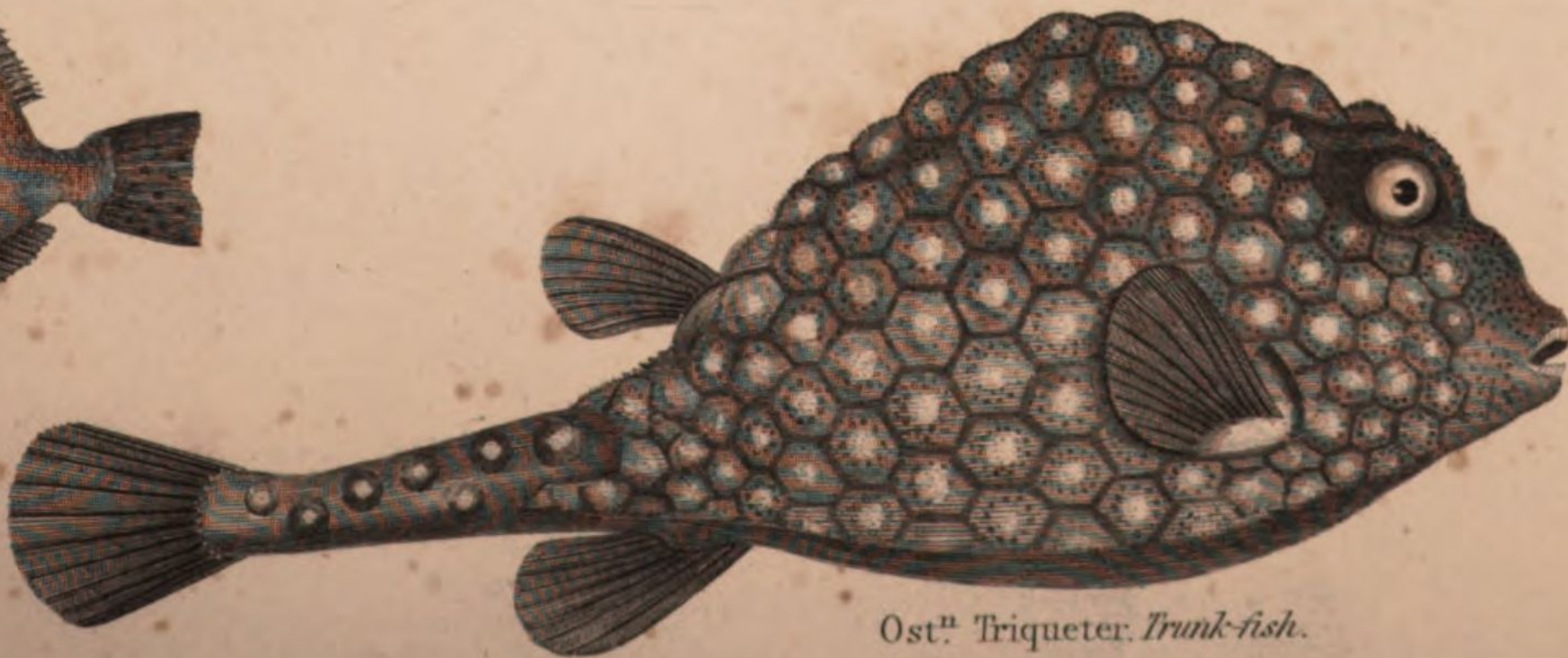
D. Hystrix. Round Diodon.



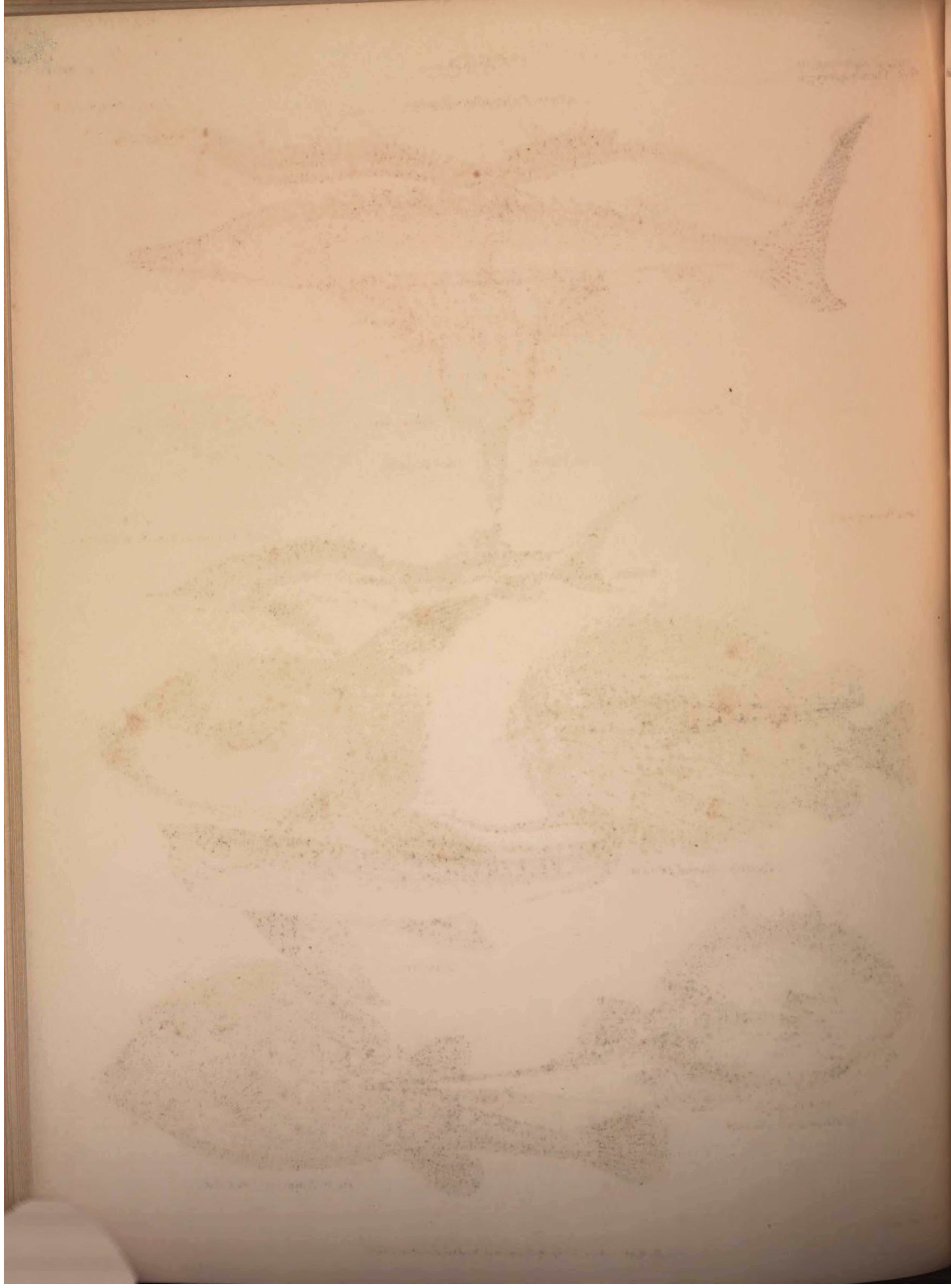
Orth. Oblongus.

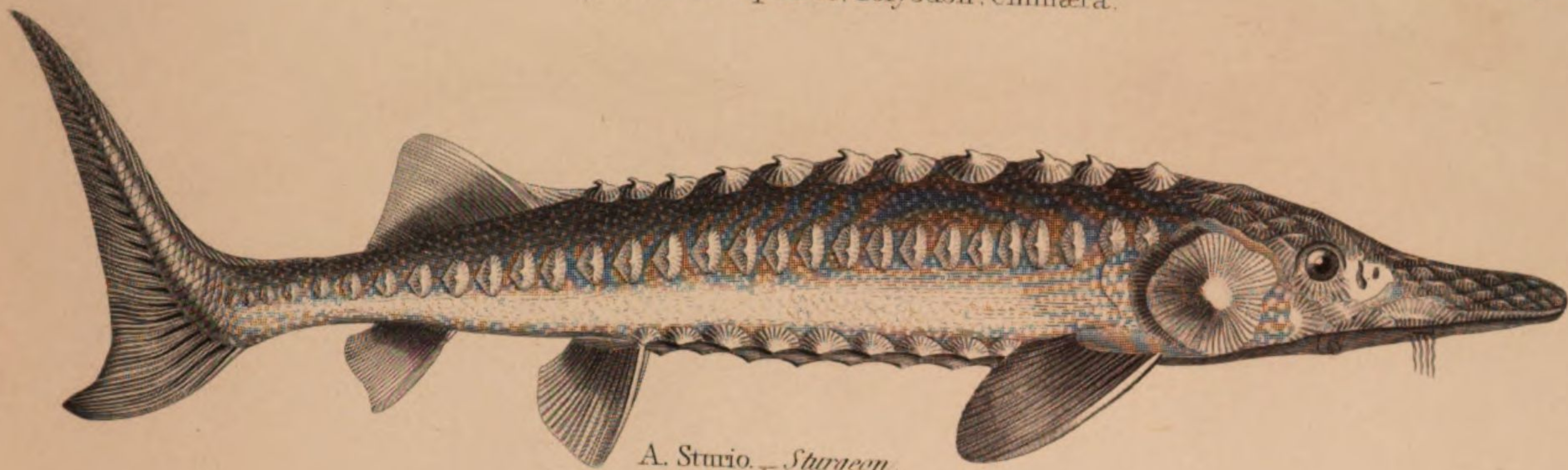


B. Caprisus.
Mediterranean Filefish.



Ost. Triqueter. Trunk-fish.

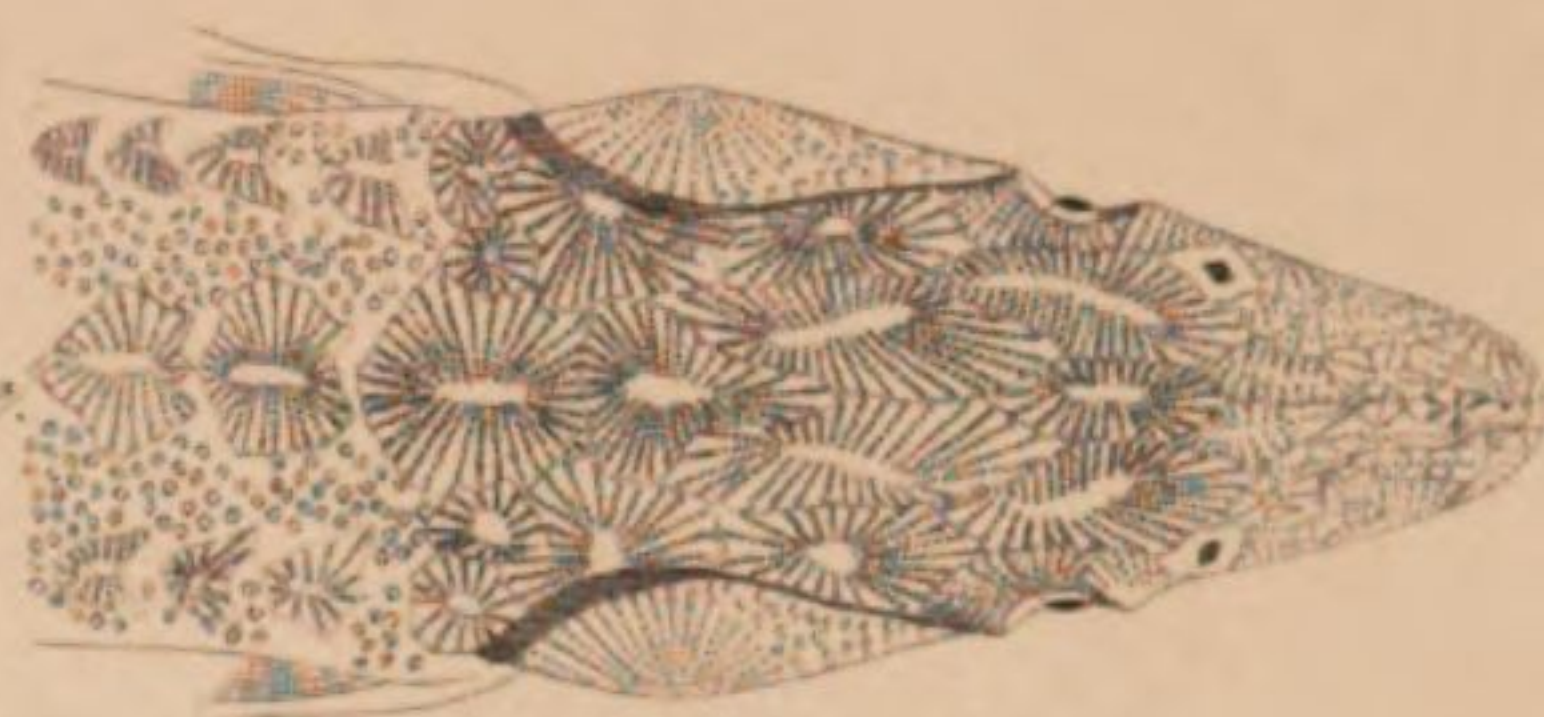




A. Sturio. — Sturgeon.



Under Surface.



Upper Surface.

Head of Sturgeon.



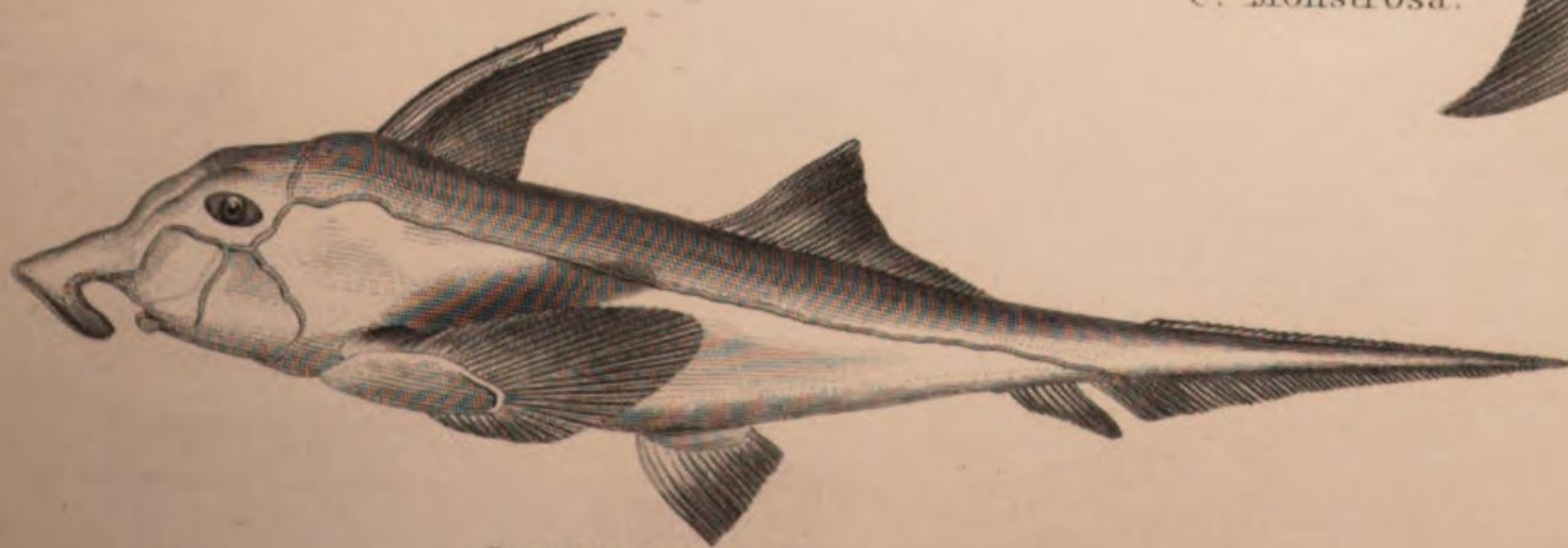
A. Ruthenus. — Sterlet.



P. Folium.



C. Monstrosa.



C. Callorhynca.



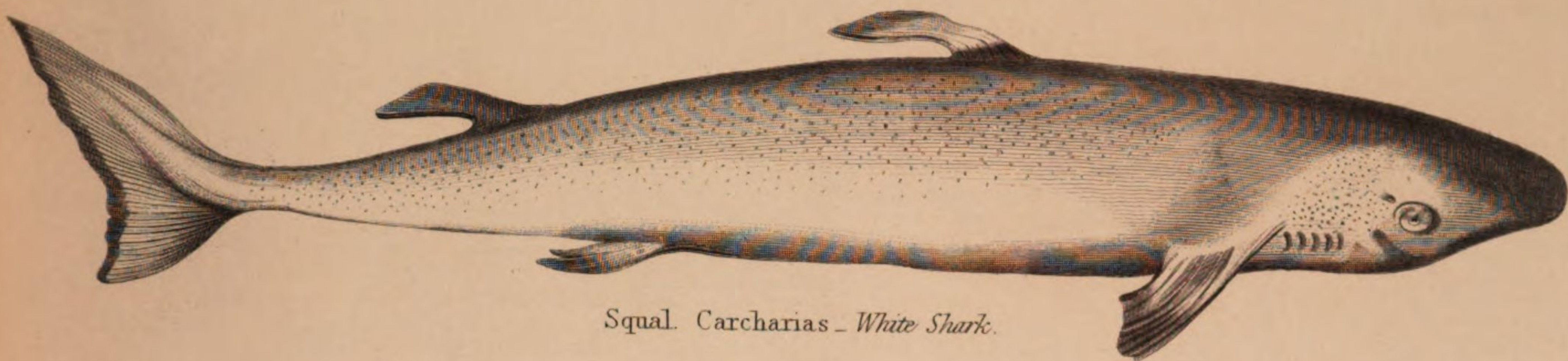
Order. Chondropterygii branchiis fixis.

PISCES.

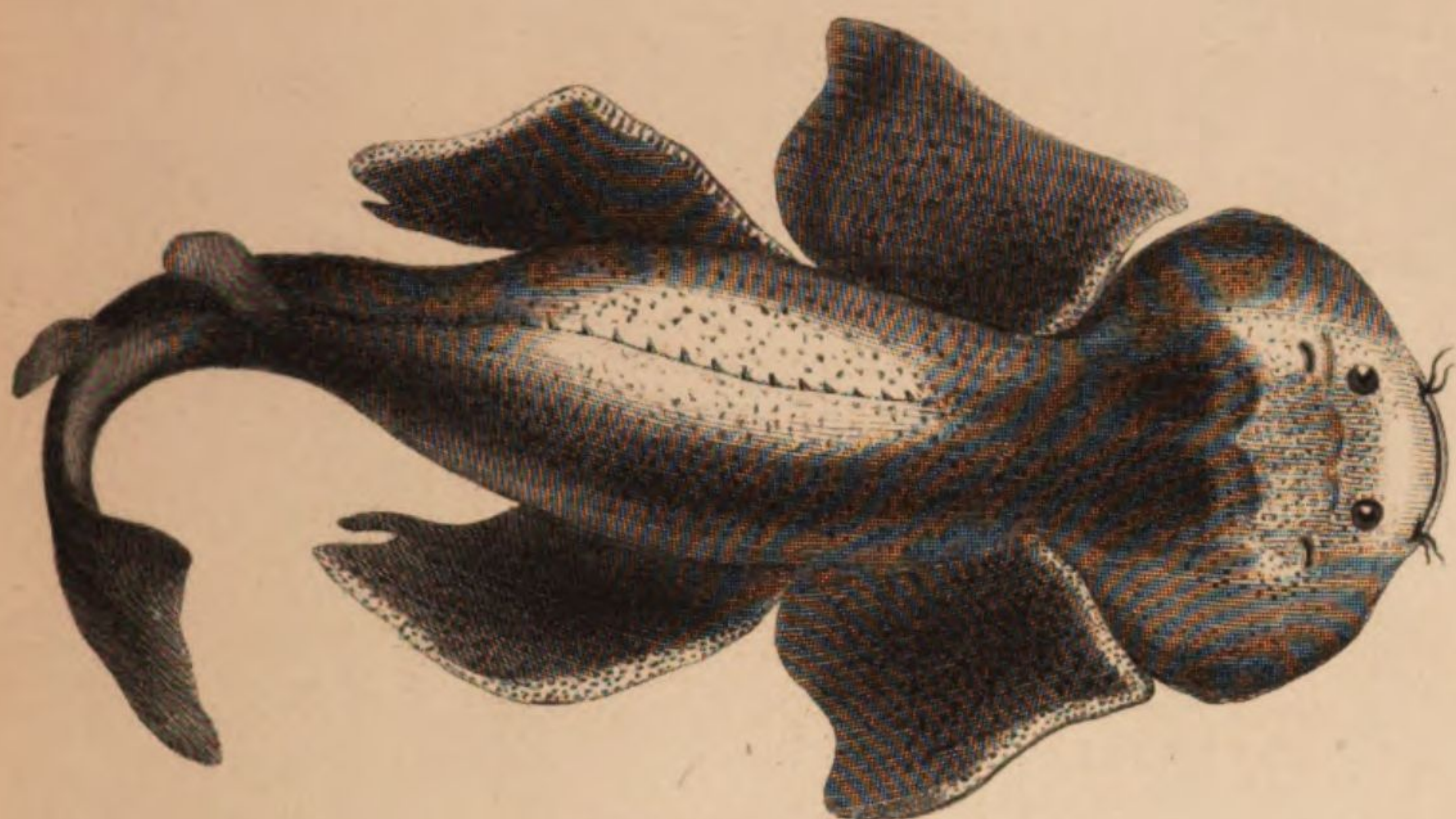
Family. Plagiostomati, Cyclostomati.

PLATE 12.

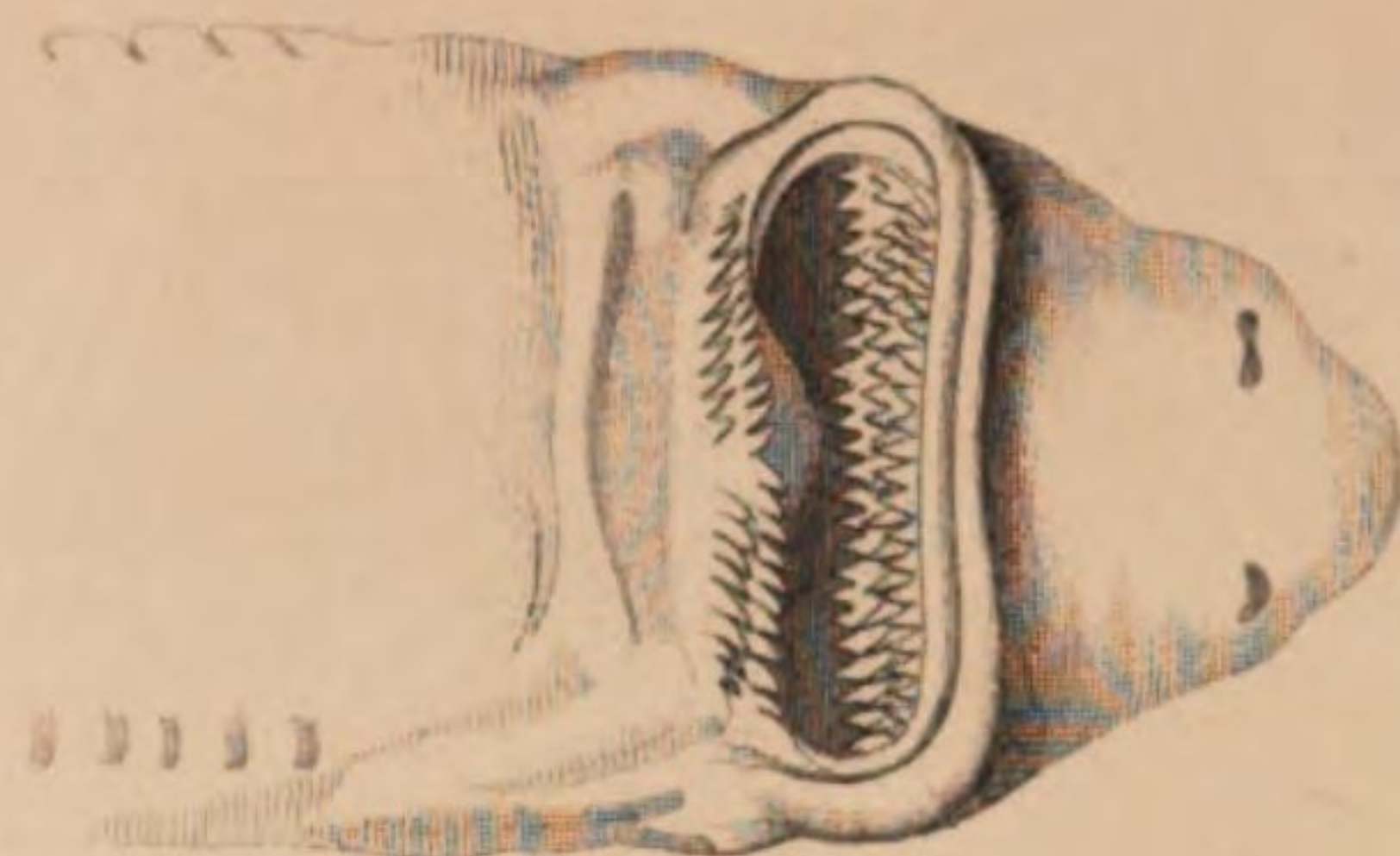
Genera. Squalus, Squatina, Torpedo, Raja, Petromyzon, Gastrobranchus.



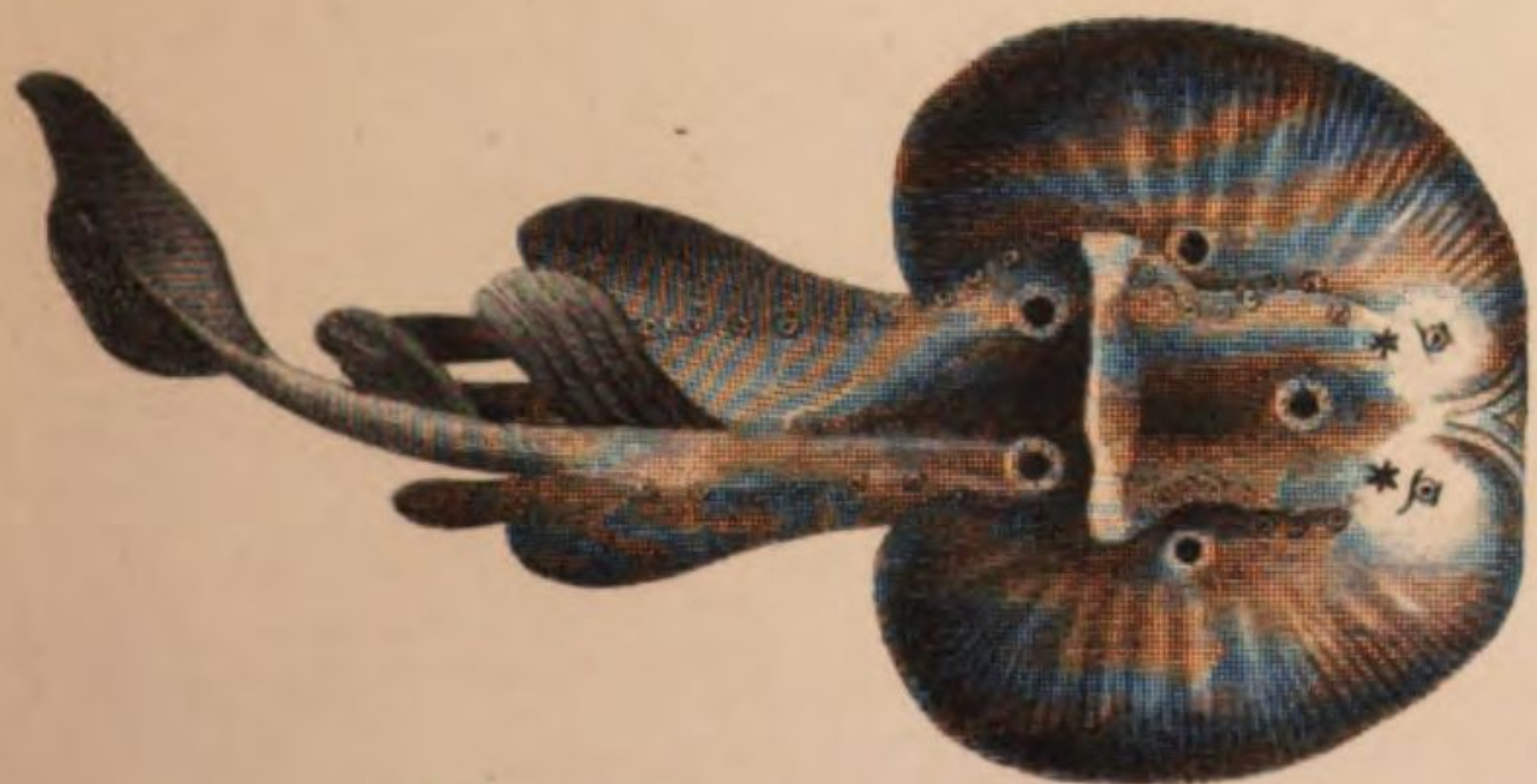
Squal. Carcharias - *White Shark*.



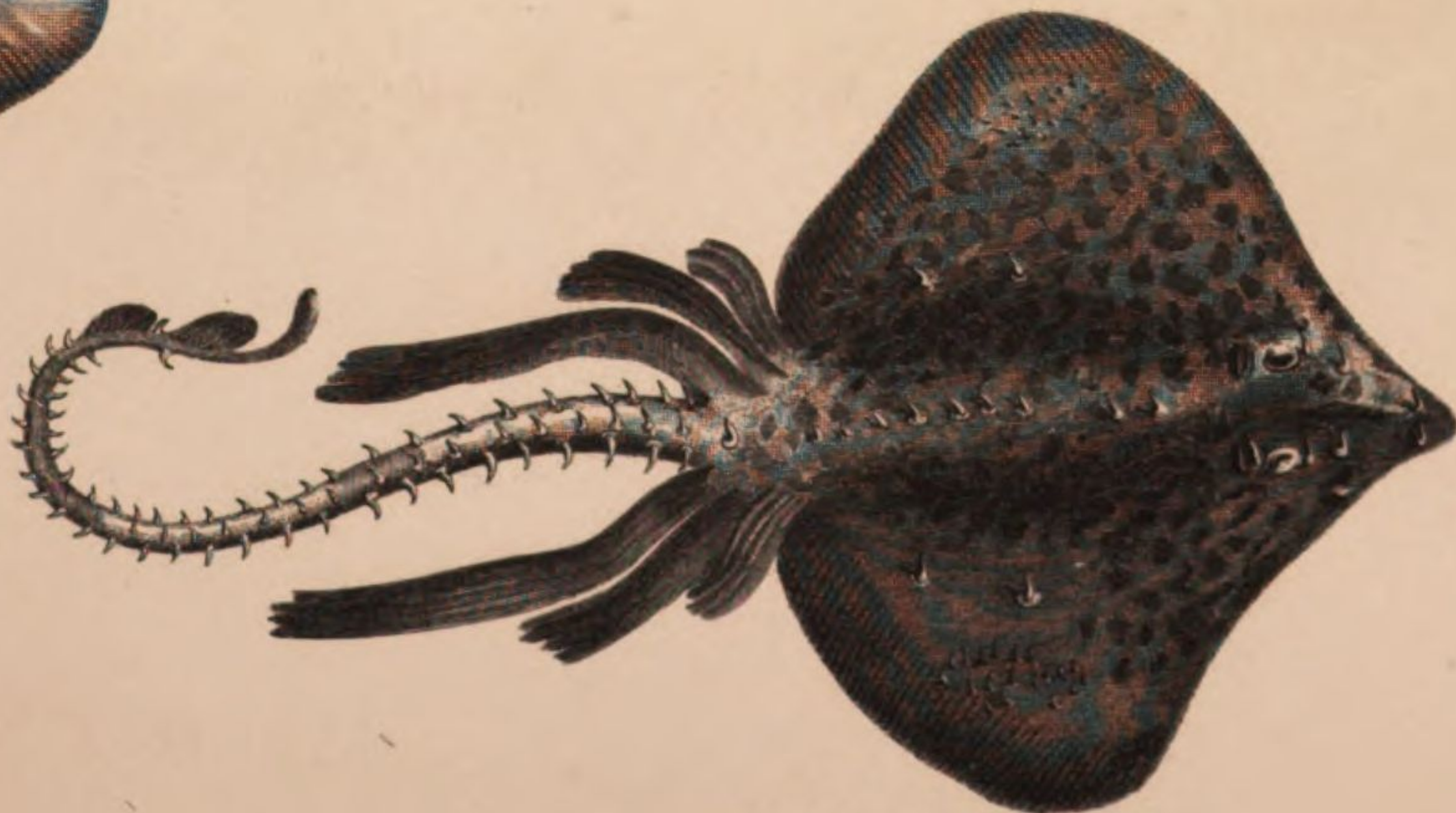
Squat. Angelus - *Angel Fish*.



P. Marinus - *Sea Lamprey*.



T. Narke - *Spotted Torpedo*.



R. Clavata - *Rough Ray*.



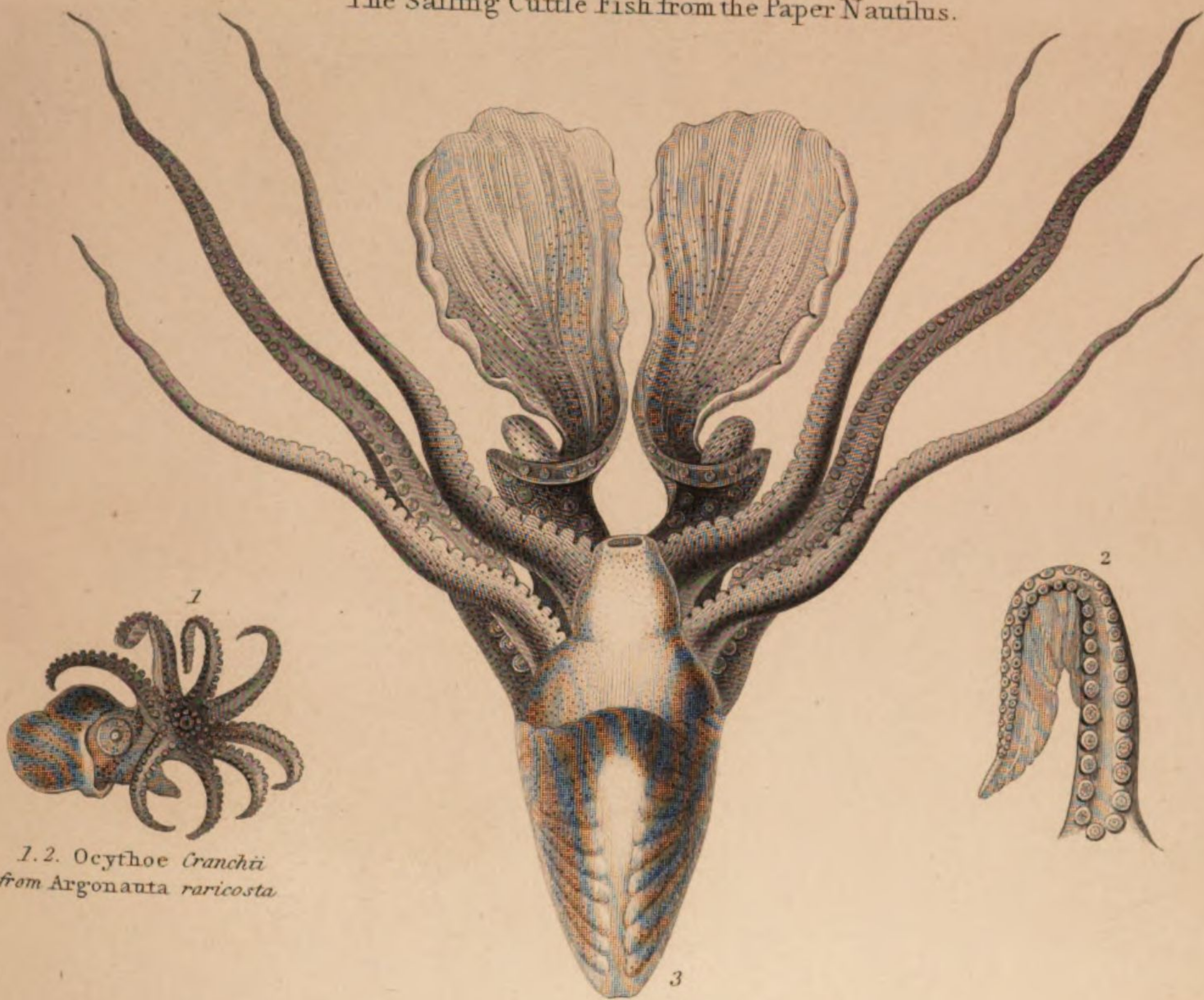
G. Coecus - *Myxine*.

MOLLUSCA

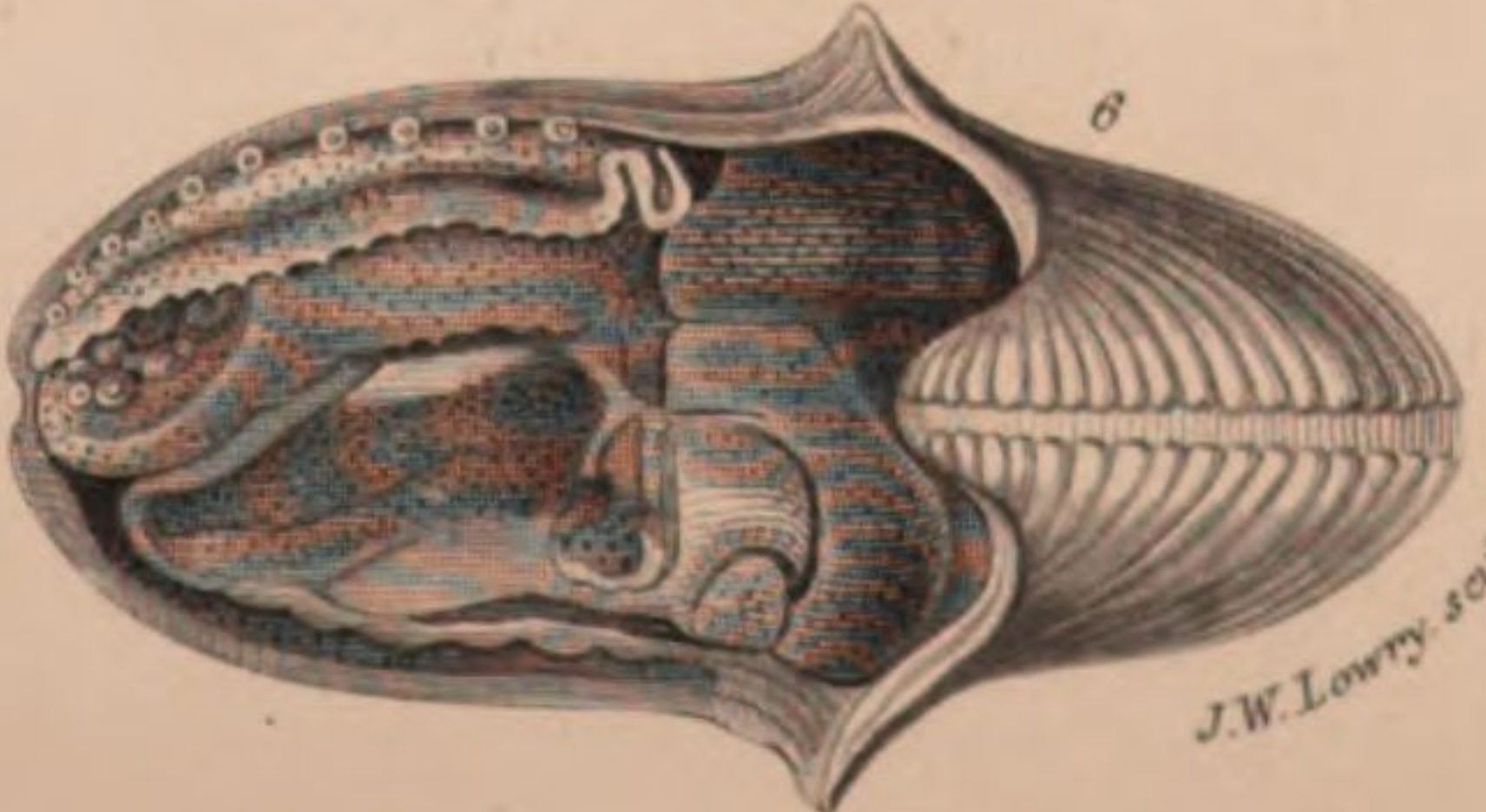
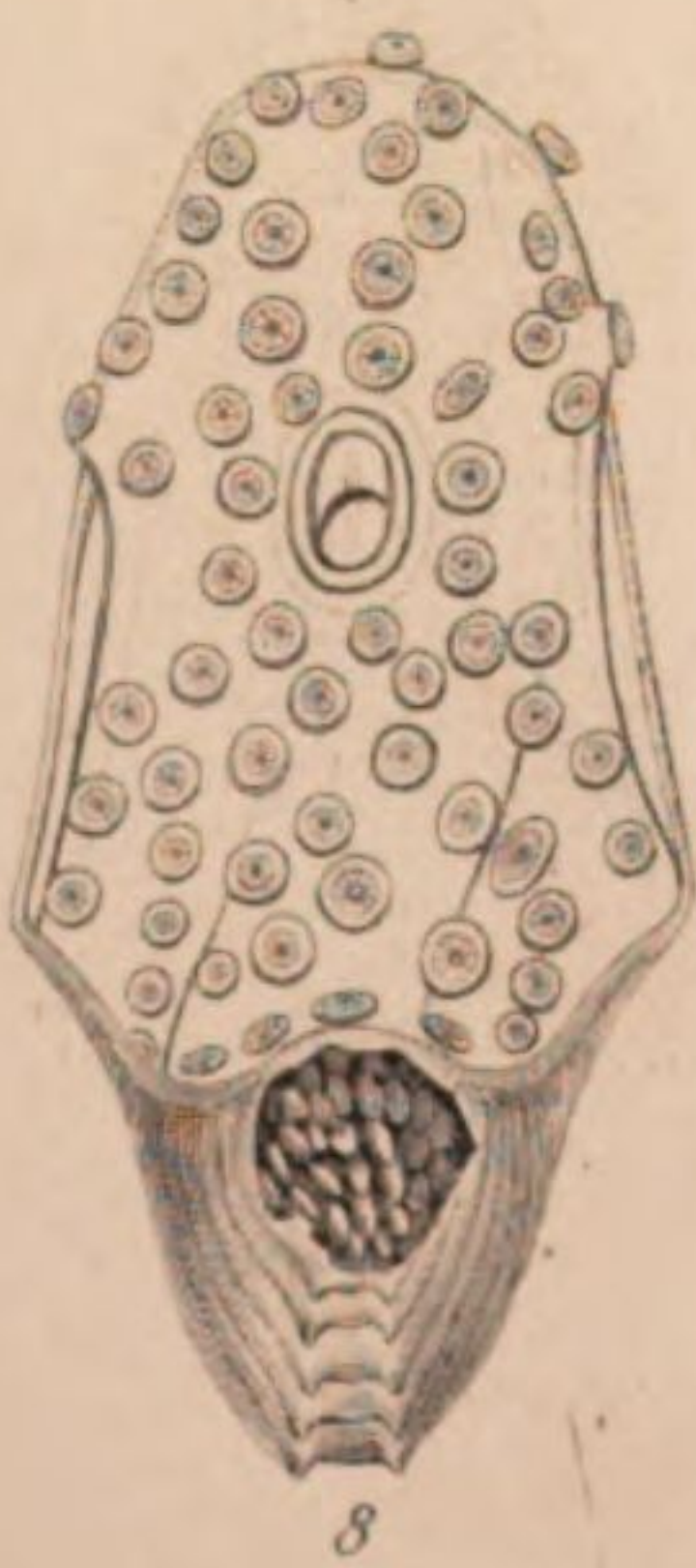
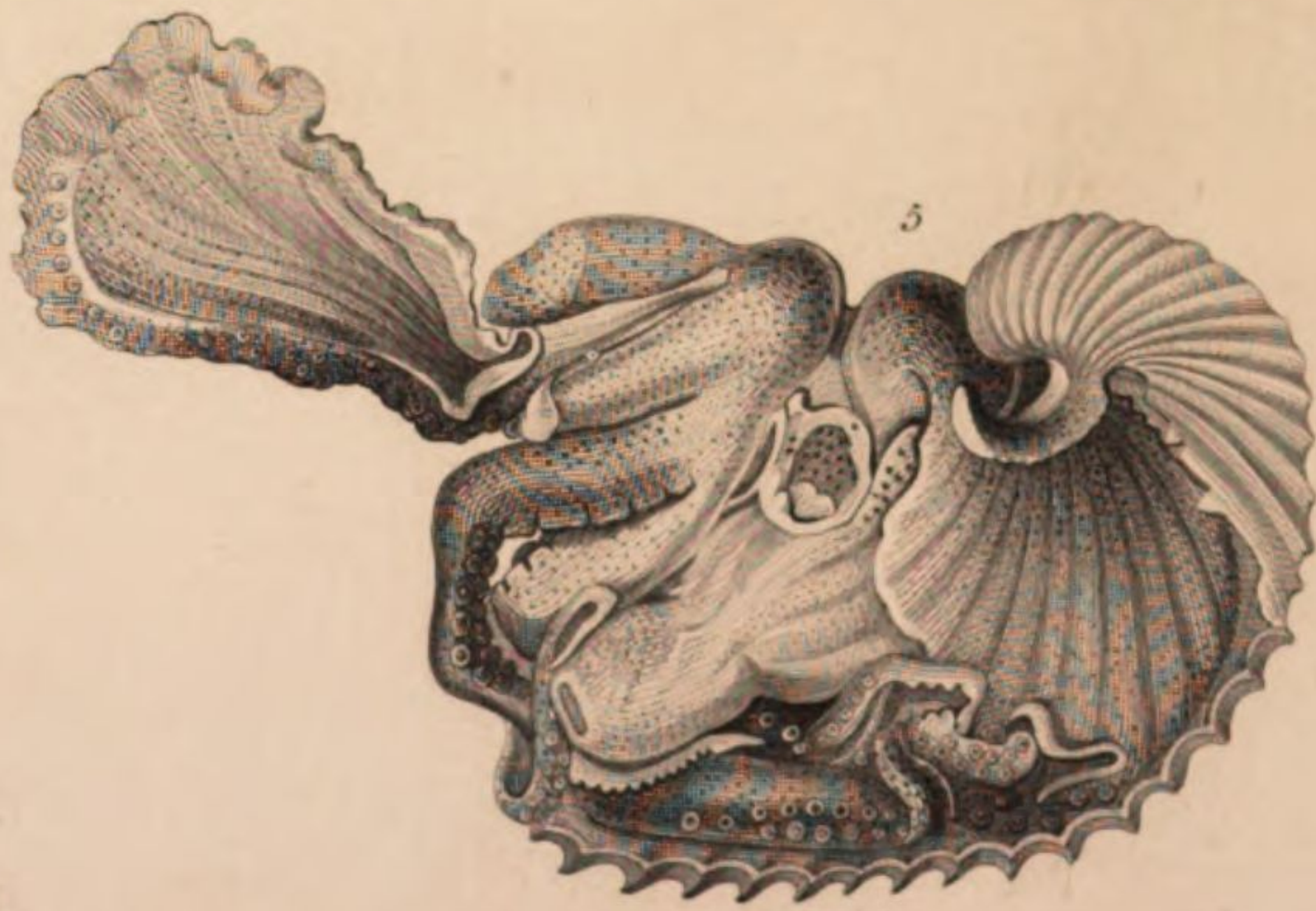
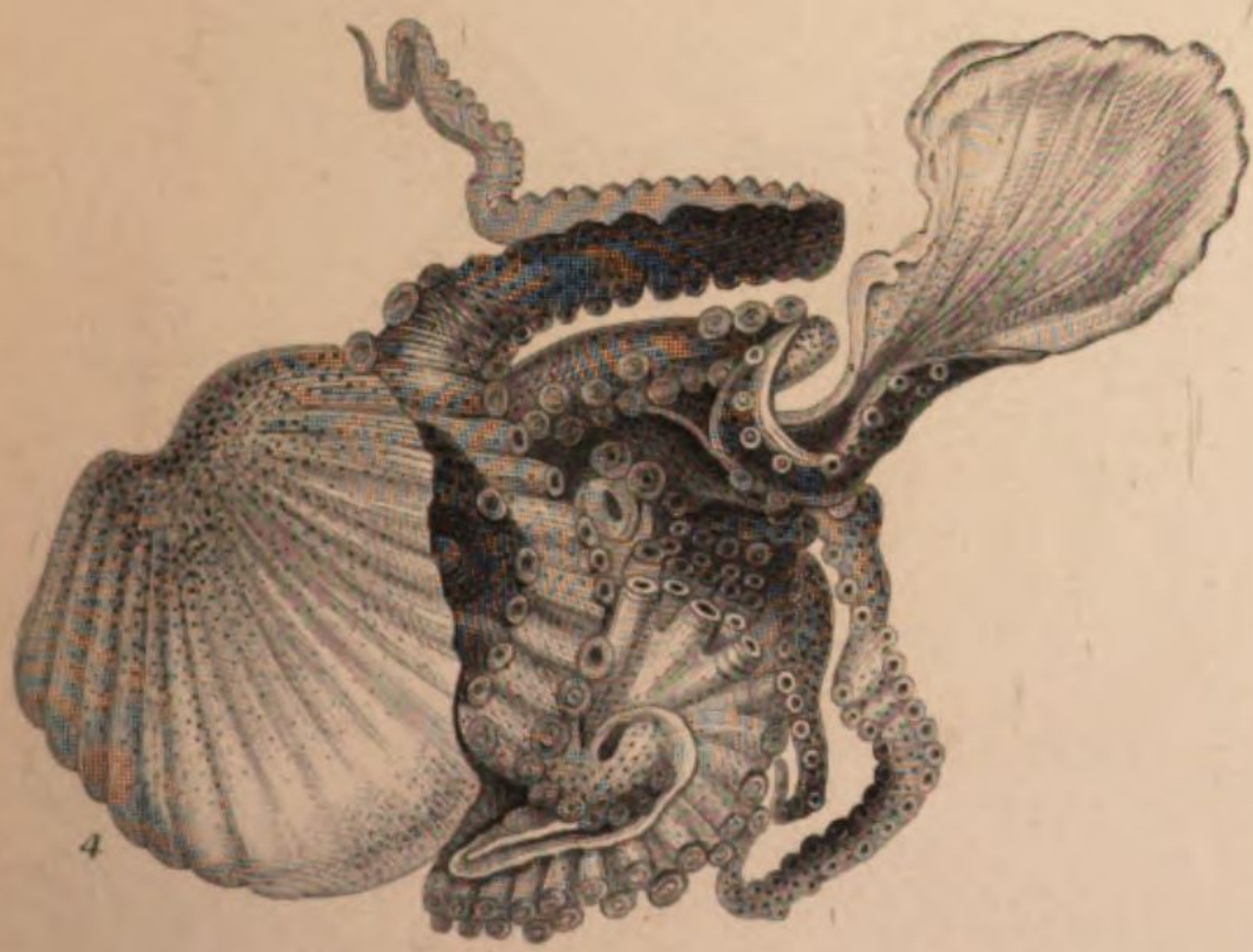
Class CEPHALOPODA.

Order OCTOPODA.

The Sailing Cuttle Fish from the Paper Nautilus.



1. 2. *Ocythoe Cranchii*
from *Argonauta raricosta*



3. 8. *Ocythoe antiquorum*
from *Argonauta Argo*

1. The animal out of the shell. 2. the front arm shewing the dilatation. 3. the animal expanded shewing the 8 arms the anterior pair being dilated at the end & the sides of the body marked by the ribs of the shell. 4. 5. the animal partly contracted. 6. the animal quite contracted in the shell. 7. 8. the side & top view of the animal partly contracted in its shell; the shell broken at the keel to shew the Eggs.

MOLLUSCA.

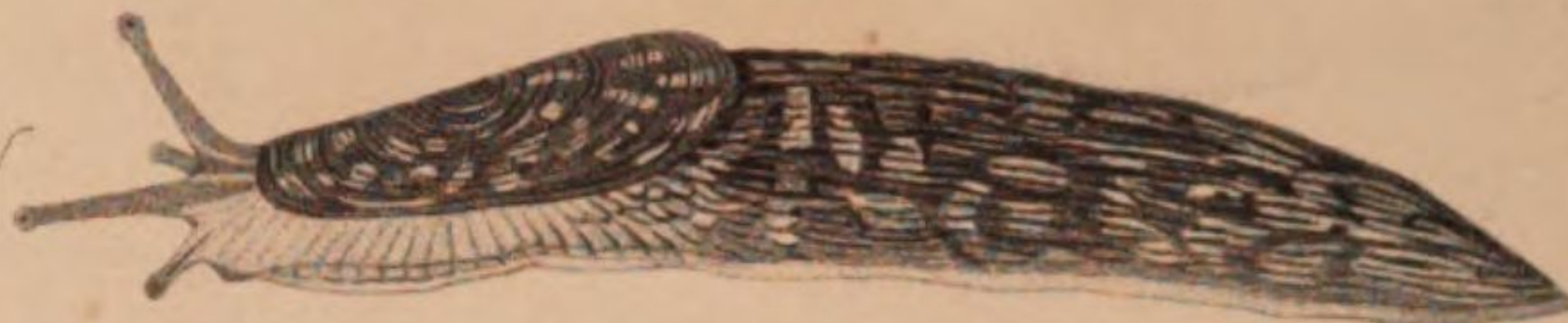
Class Gasteropoda. Order Pulmonifera.

Plate II.

*Arion
Antiquorum.*



*Limax
Variegatus.*



*Testacella
Maugei.*



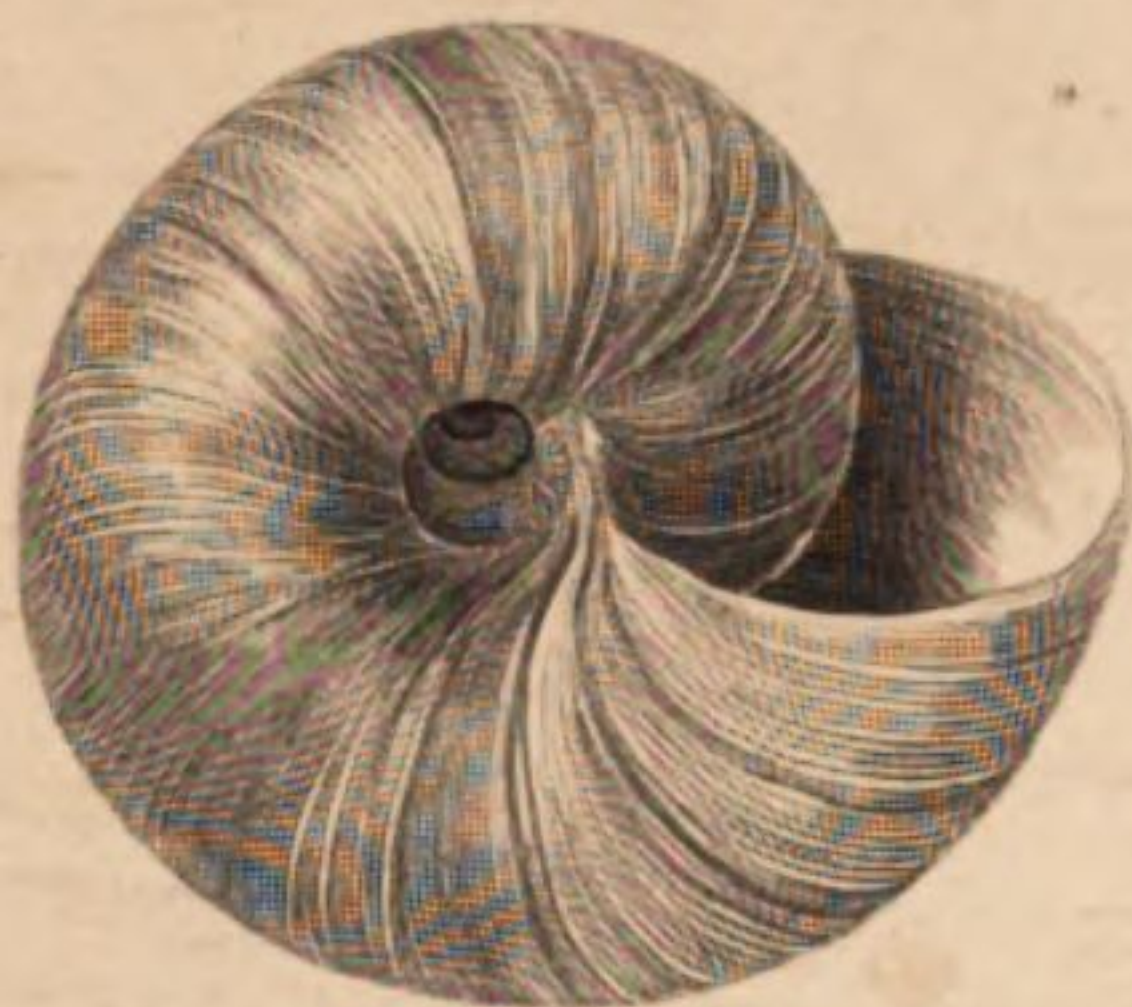
*Helix
Naticoides.*



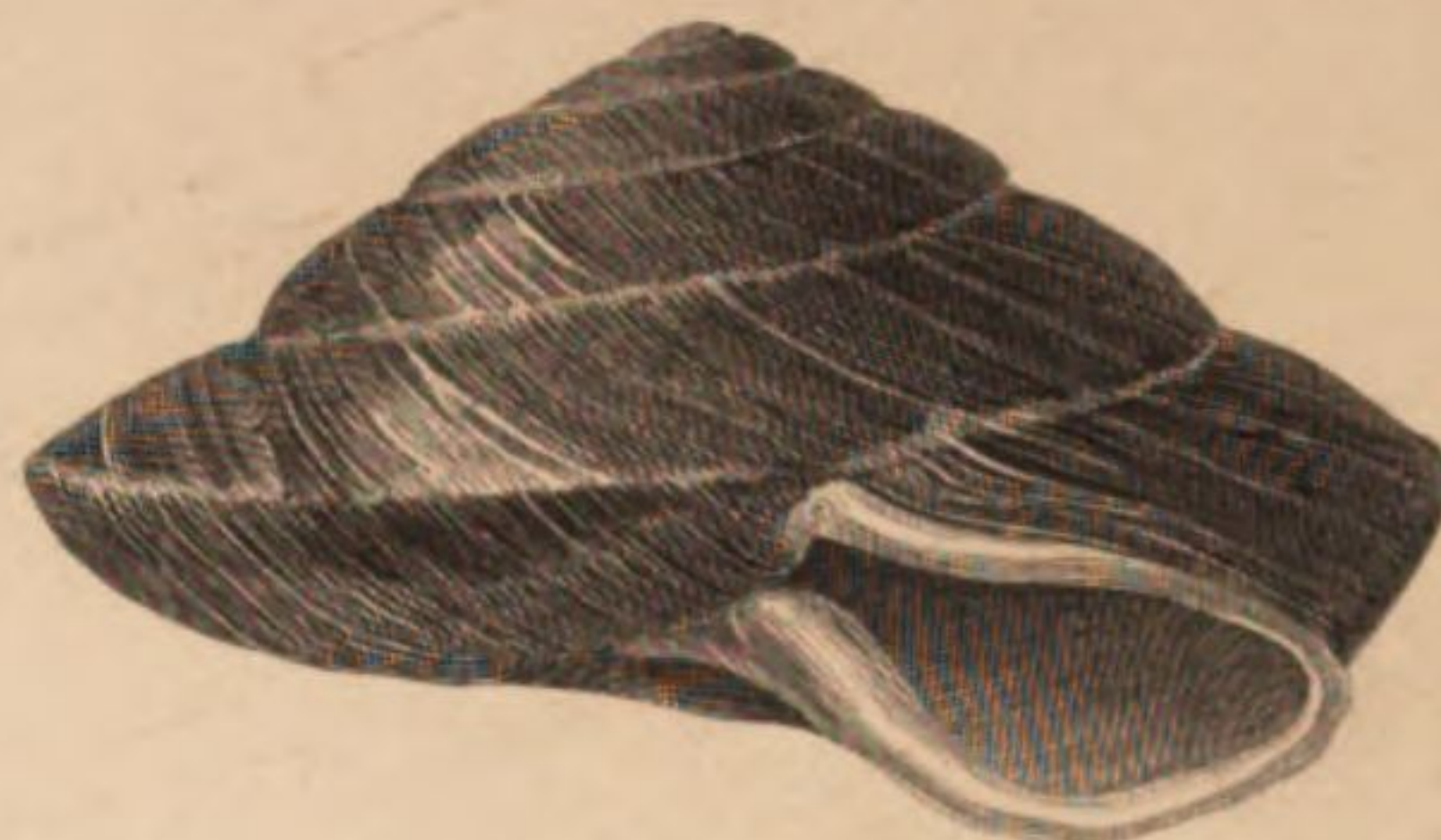
H. Japonica.



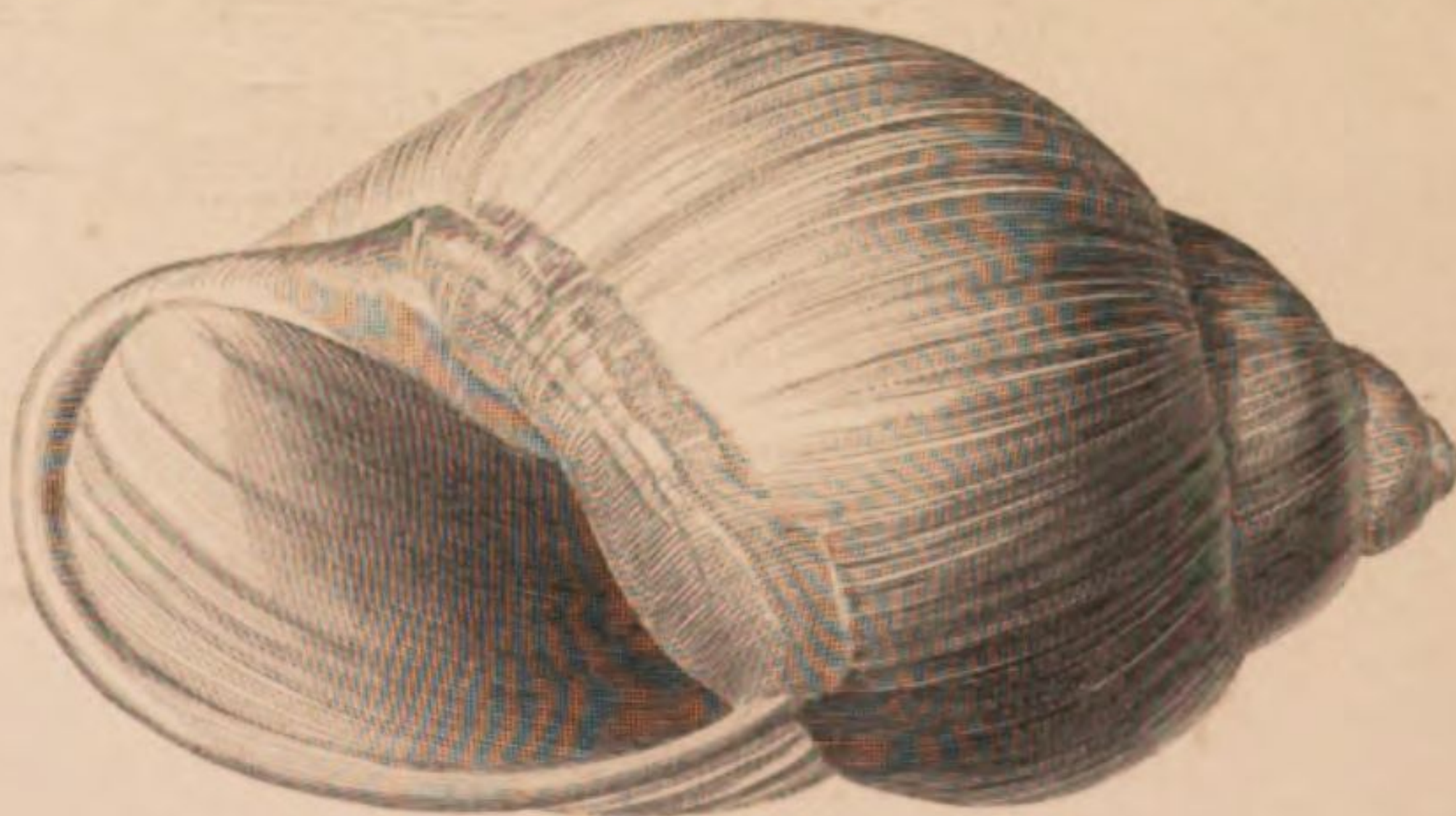
H. Algira.



H. Carocolla.



*Bulimus
Ovatus.*



*H. Nux
denticulata.*



H. Albella.



H. Epistylum.



Pupa.



*Physa
rivalis.*



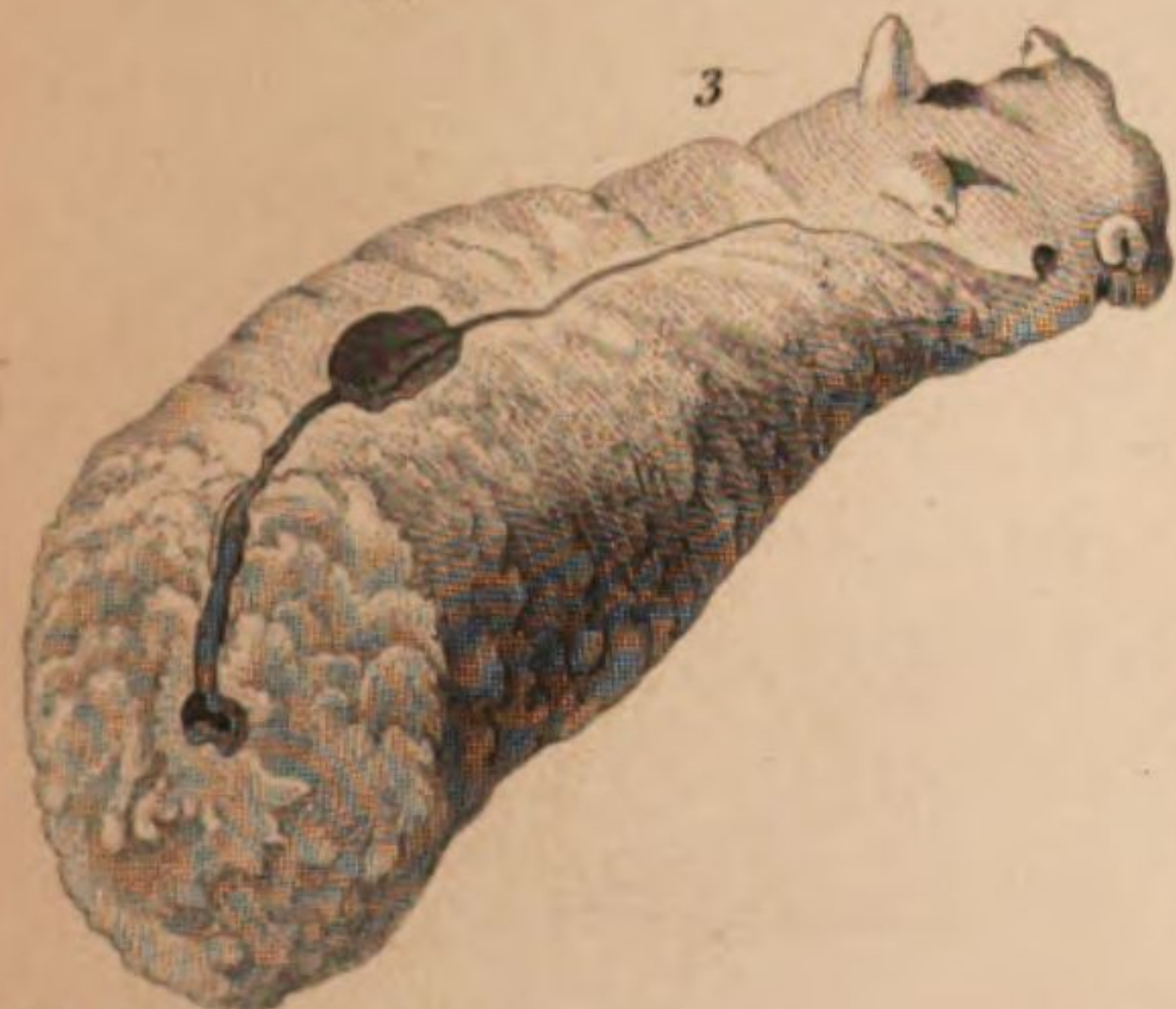
Clausilia.



*Achatina
virginica.*



Family I. LAPLYSIAE. 1-3



2-3. *Dolabella Rumphii*



13. *Pleurobranchus Peronii*



13-15. *Lamellaria membranacea*

Family III. PLEUROBRANCHIDÆ. 13-15.

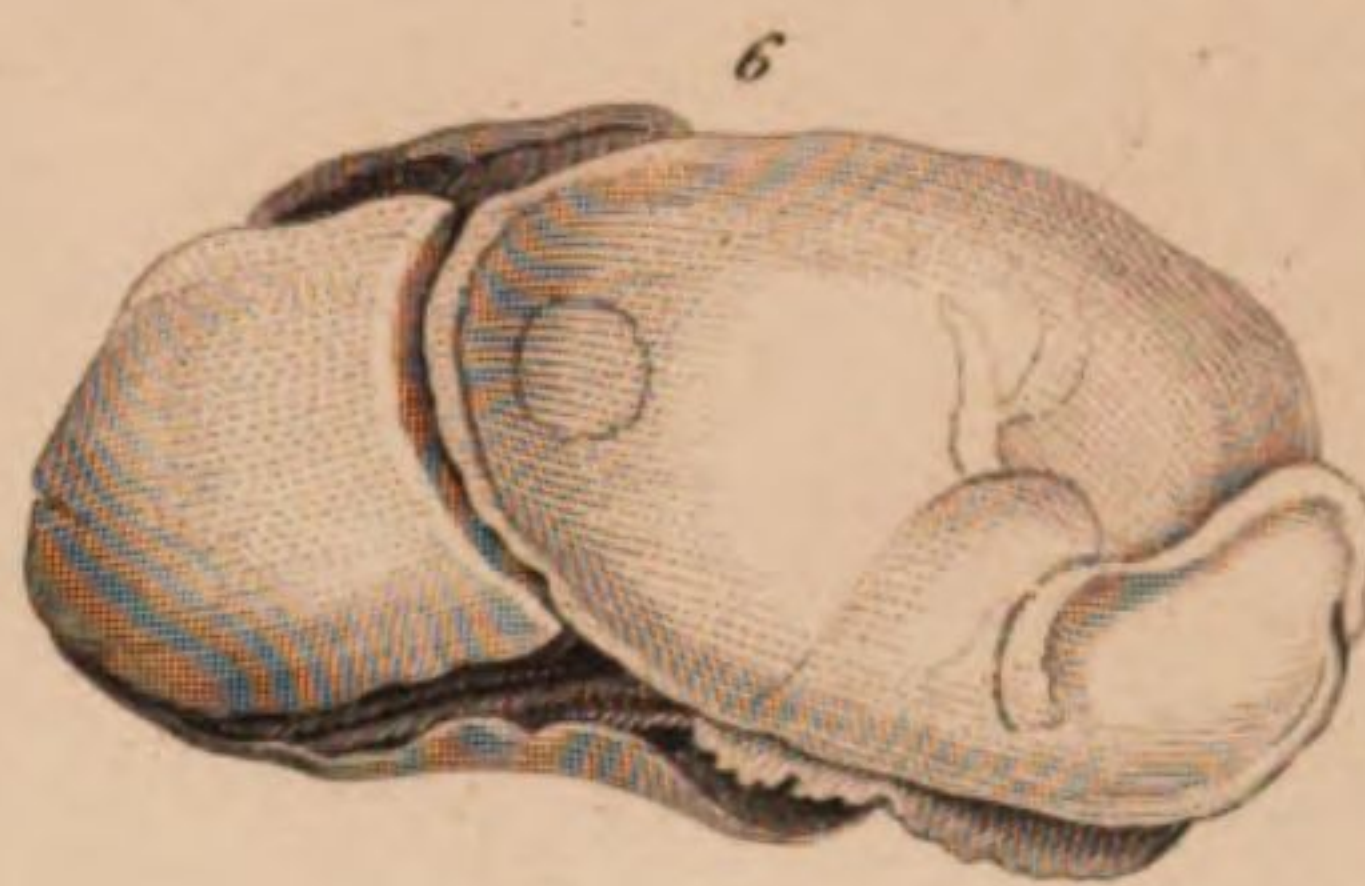
Family II. BULLIDÆ. 4-12



4-8. *Bullæa aperta*



5. *Acera carnosus*



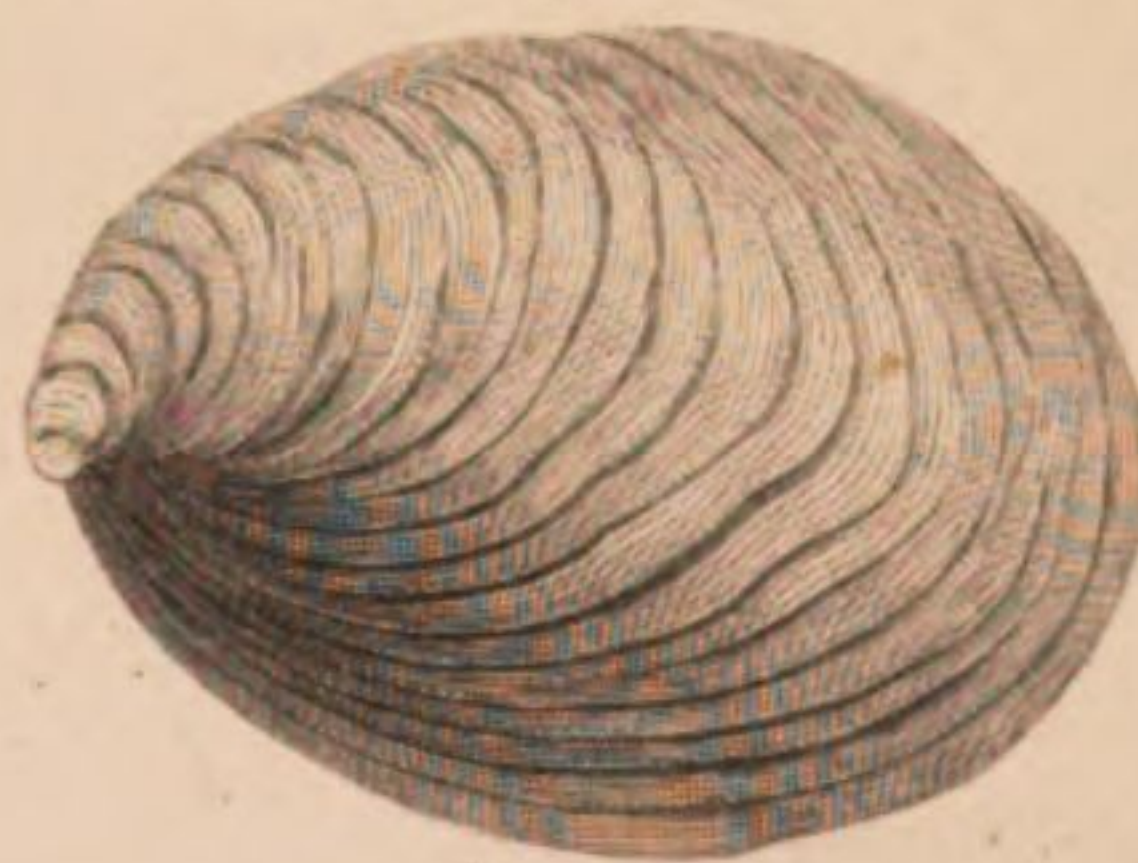
6-7. *Bullæa lignaria*



9-11. *Bullina Guamensis*

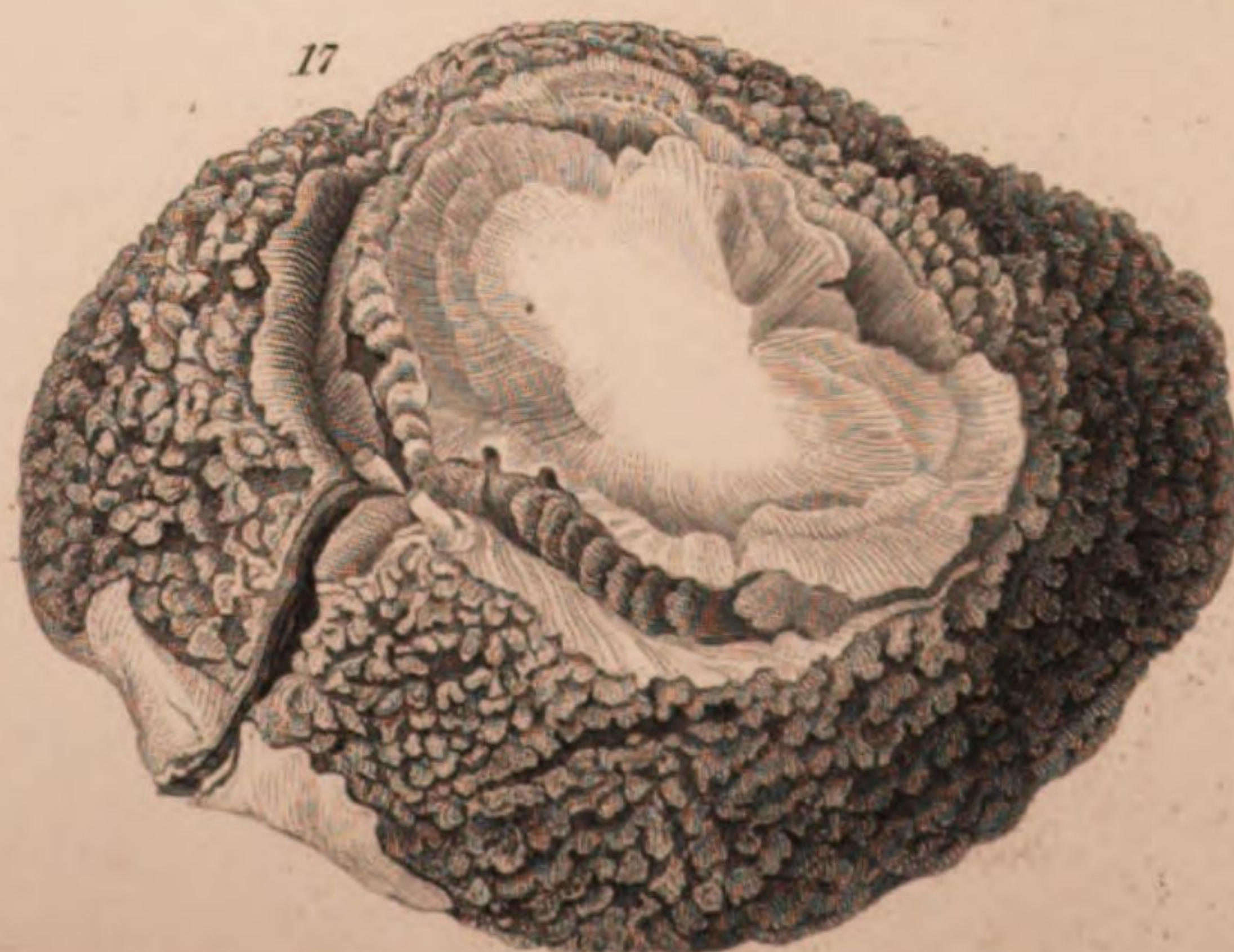
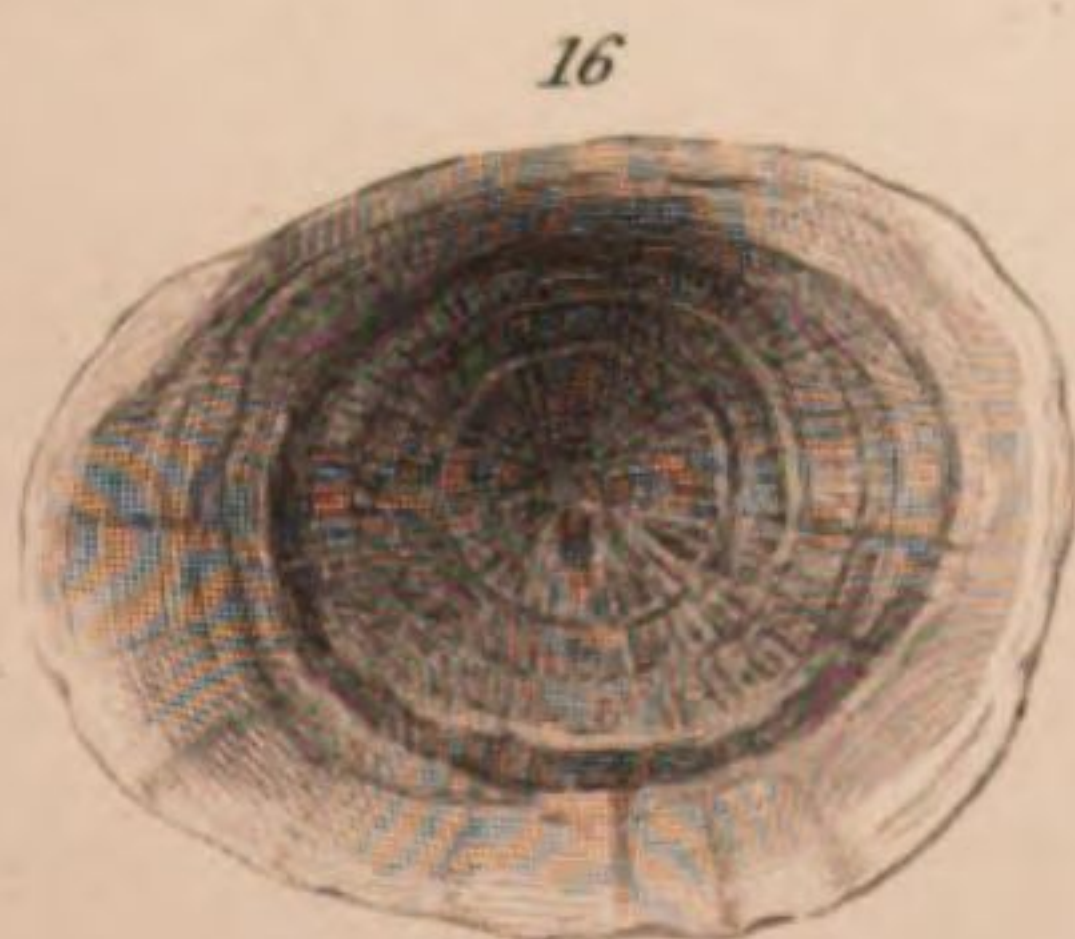


12. *Notarchus Cuvieri*



16-17. *Umbrella Indica*

Family IV. UMBRELLIDÆ. 16-17



Family I. CREPIDULIDÆ.



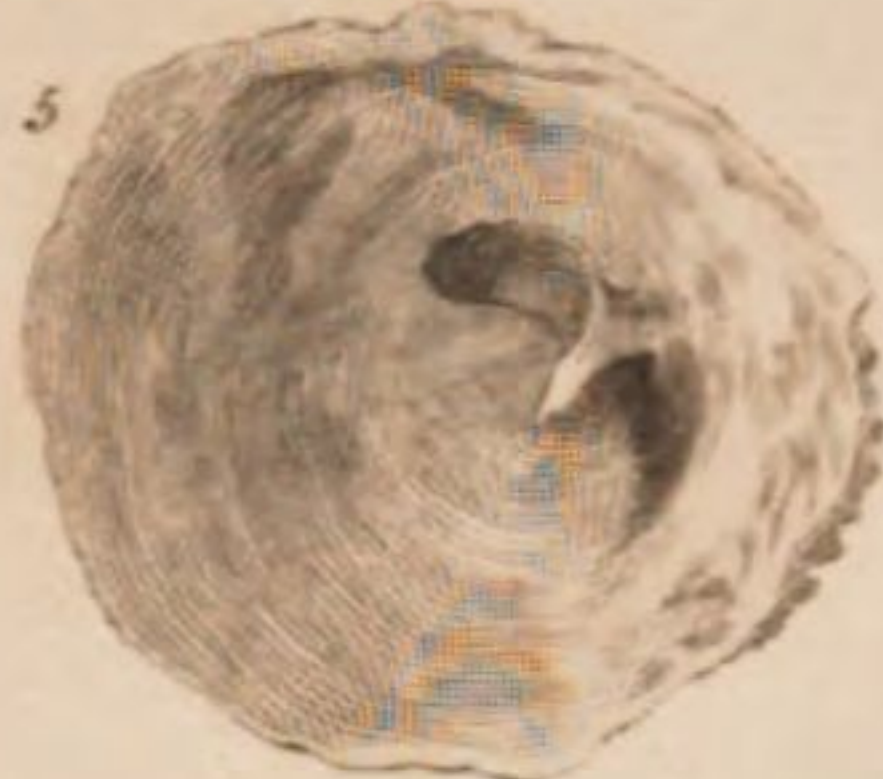
1.2. *Crepidula porcellana*.



4. *Disputea Bironensis*.



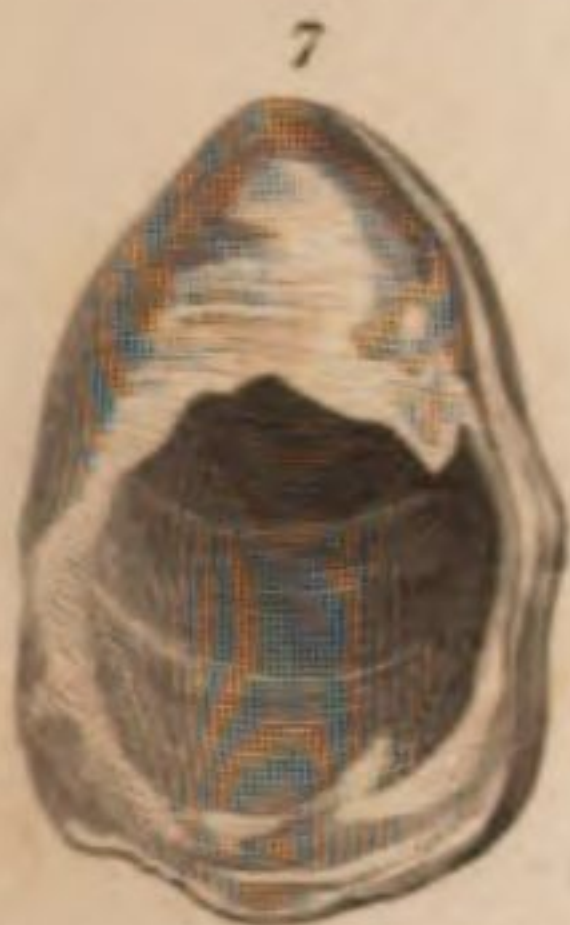
3. *Crepidula Peruviana*.



5.6. *Calyptra Neptuni*.



7.8. *Crepidula Unguis*.



Family IV. CRYPTOSTOMIDÆ.



25

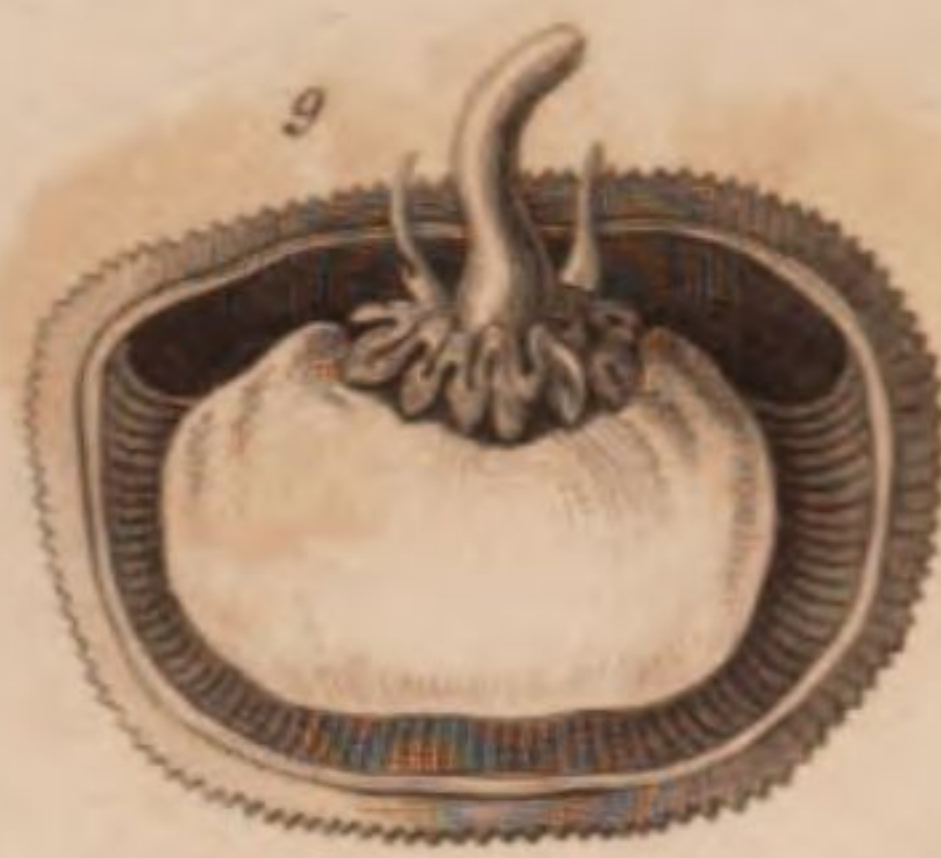


25.26.27. *Cryptostoma Haliotidea*.



27

Family II. CAPULIDÆ.



9.12. *Capulus Hungaricus*.



13.14. *Pileopsis mitula*.



15.16. *Pileopsis crenulata*.



17.19. *Hippomys Cornuopis*.

Family III. SIPHONARIADÆ.



20.21. *Siphonaria radiata*.



22. *Siphonaria gigas*.



23.24. *Gadinia Afræ*.



Family V. SIGARETIDÆ.



28.31. *Sigaretus Haliotidea*.



32. *Coriocyte nigra*.

Family I. DORIDÆ.



Doris trilobata India.



Doris lacinata.

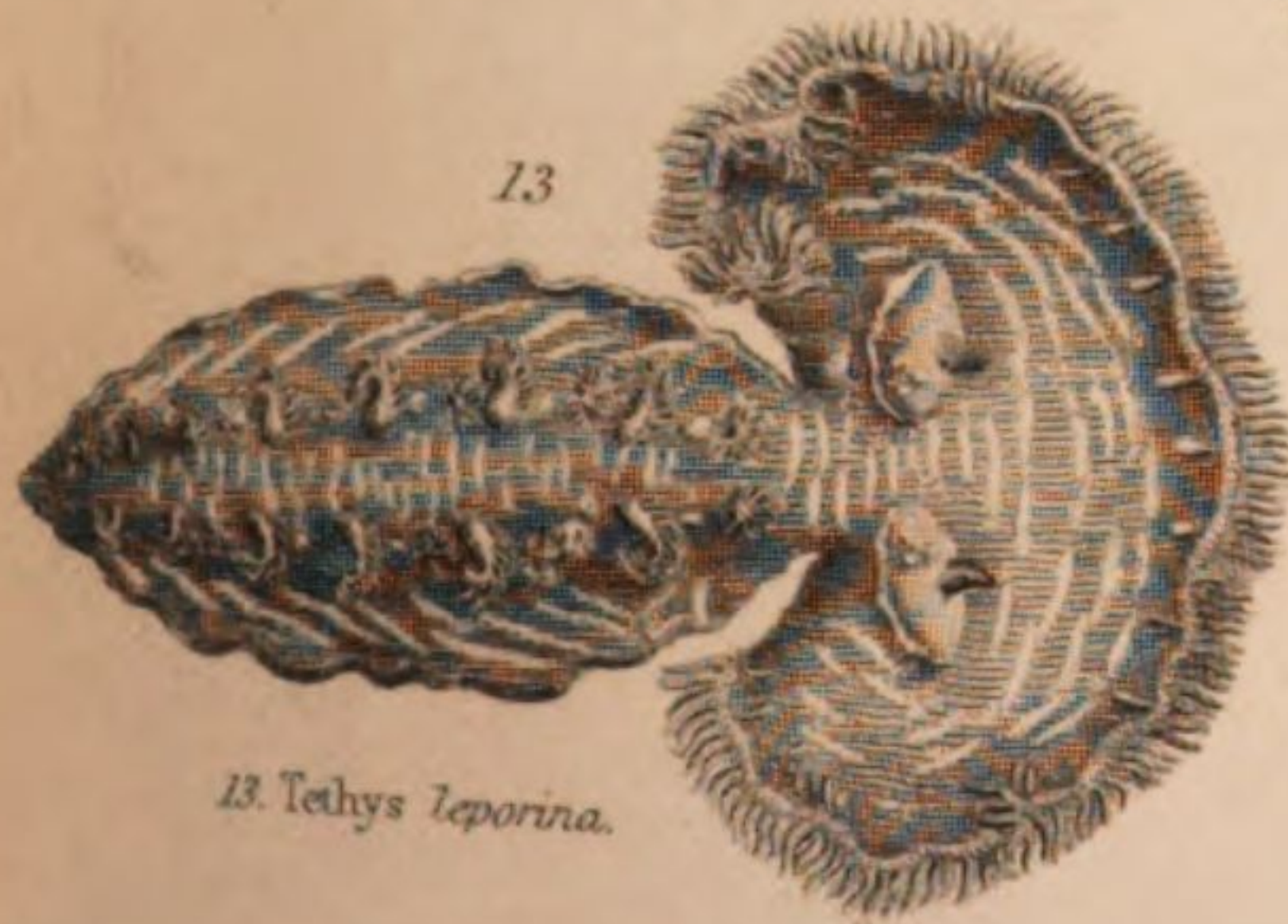


Doris nodosa.



Doris penicillata.

Fam. III. TRITONIDÆ.



Tritonia leporina.



Tritonia hombergii.



Scyllaea pelagica.



Doris limbata.



Doris tuberculata.



Doris cornuta.



Polydora quadricornis.

Fam. IV. EOLIDÆ.



Eolida vivieri.



Cavolina peregrina.

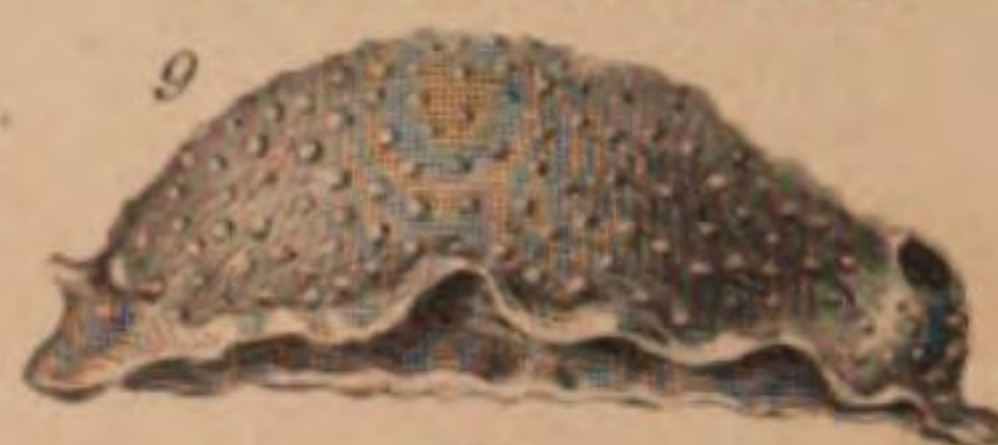


Eolis terripes.

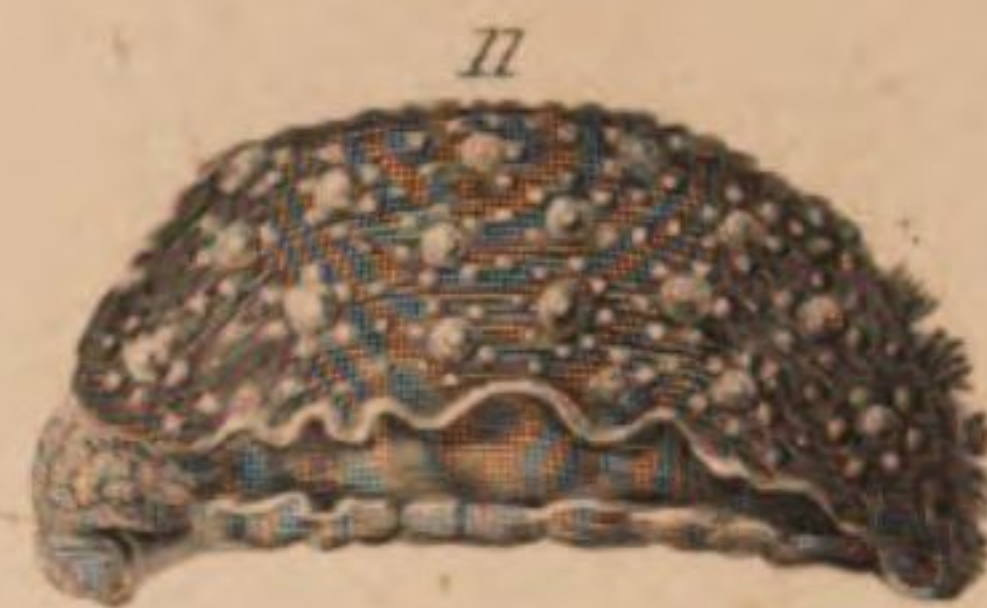


Eolis terripes.

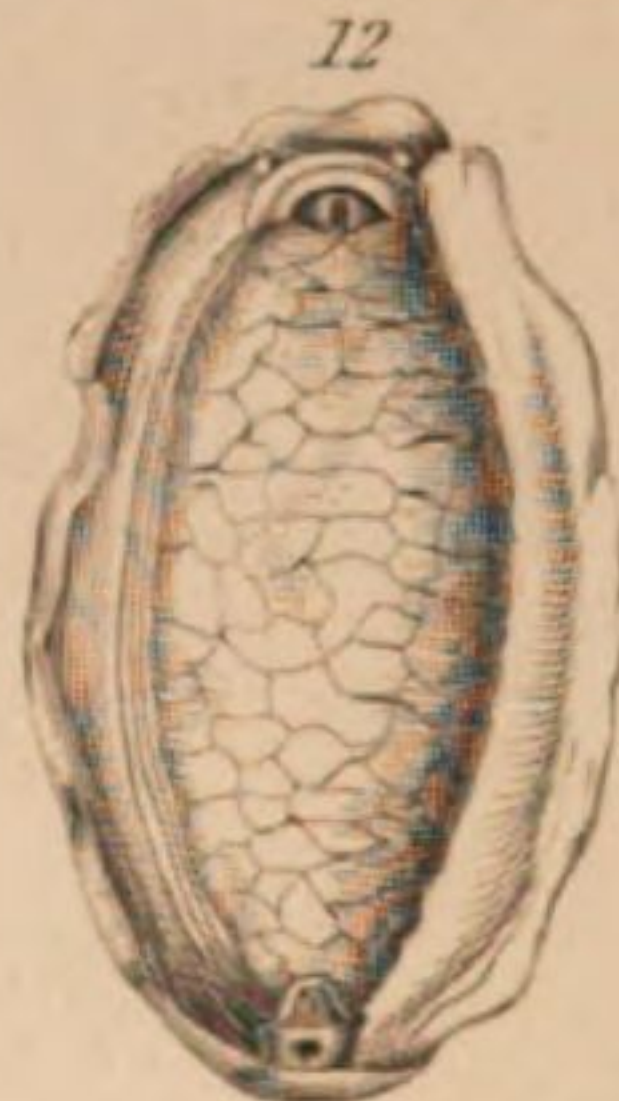
Fam. II. ONCHIDORIDÆ.



Onchidorus leachi.

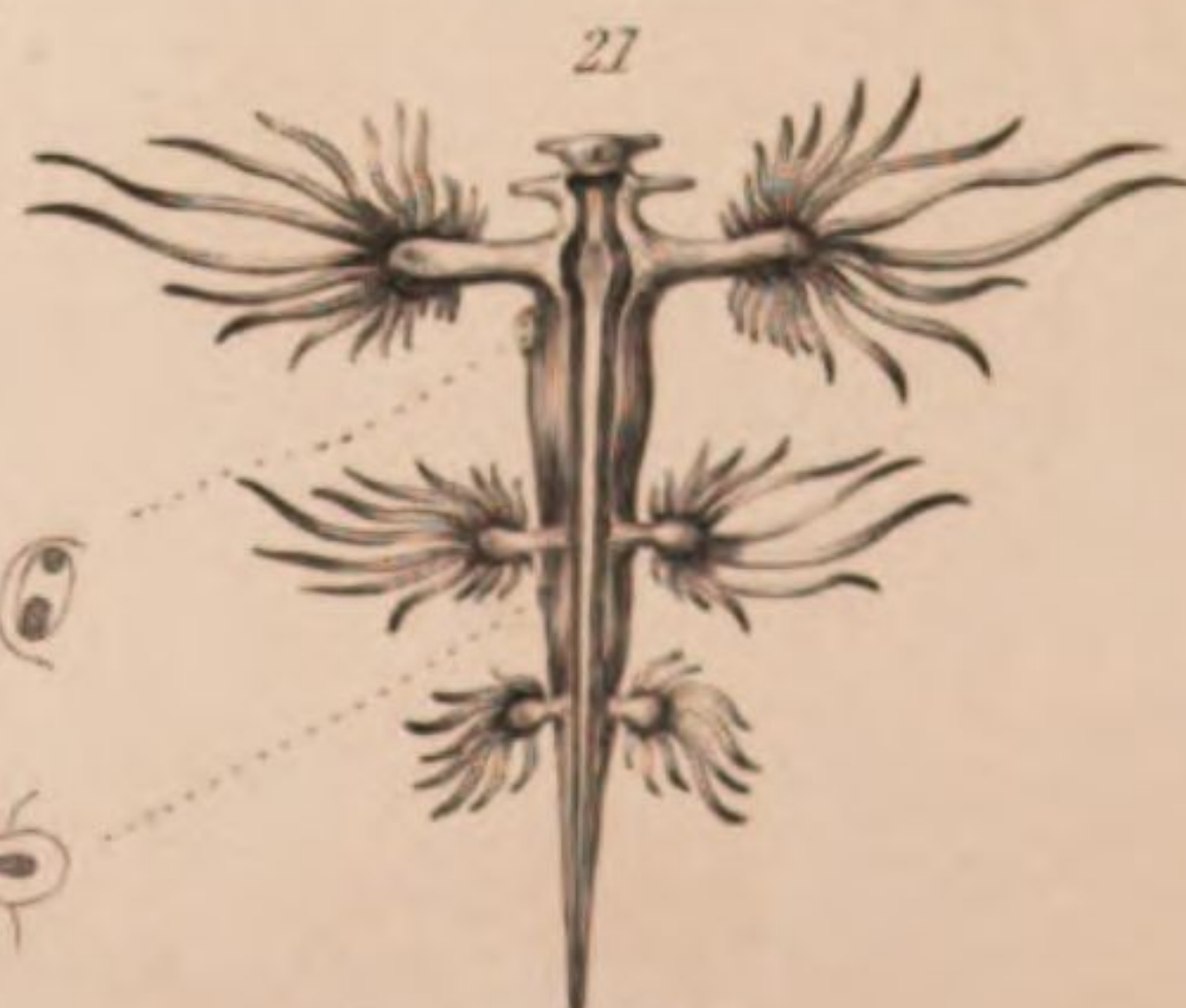


Peronia mauritiana.



Doris atromarginata.

Fam. V. GLAUCIDÆ.

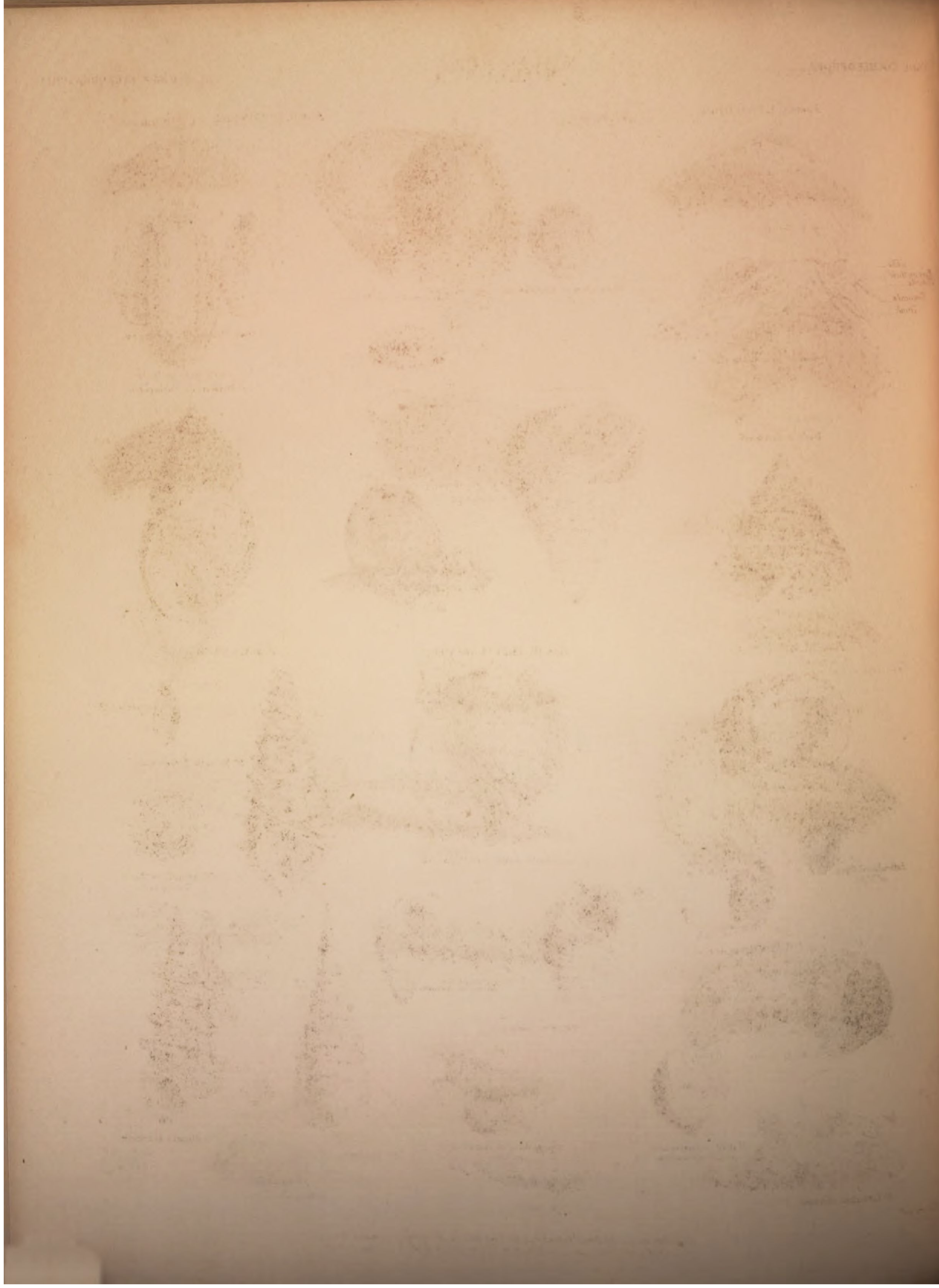


Glaucus atlanticus.



Lamiogera elberti.





Family. I. TROCHIDÆ.

Fam. II. TURBINIDÆ.



9. *Phasianella Bulimoides*.



Trochus *Henslowii*.



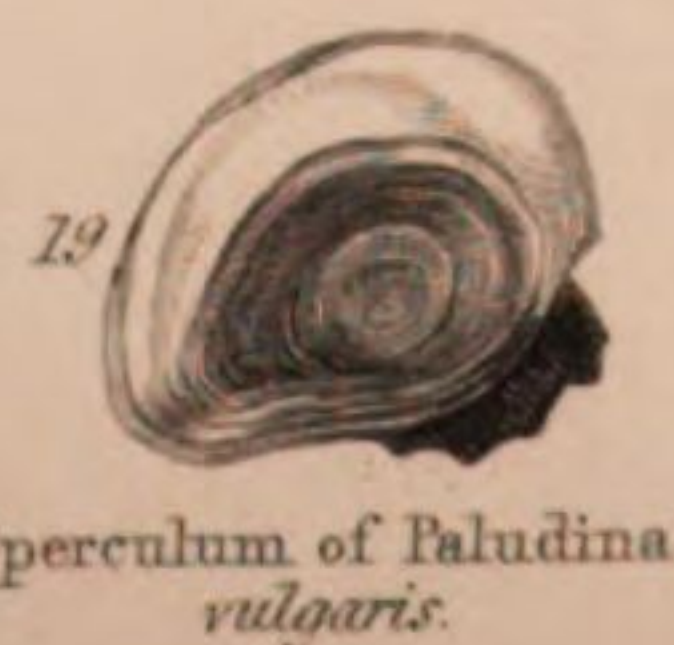
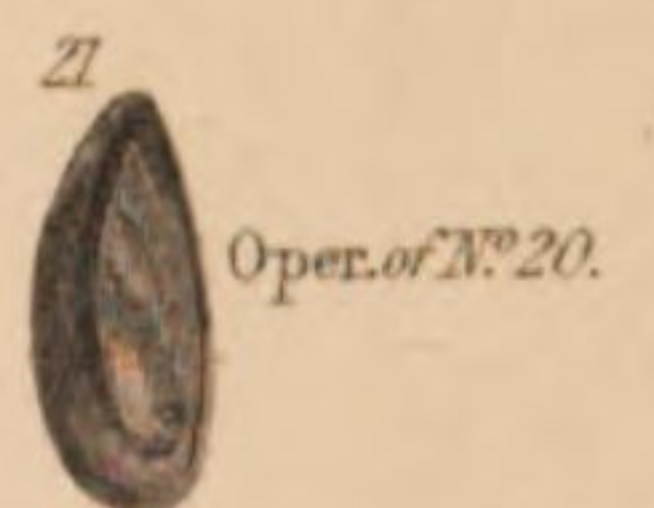
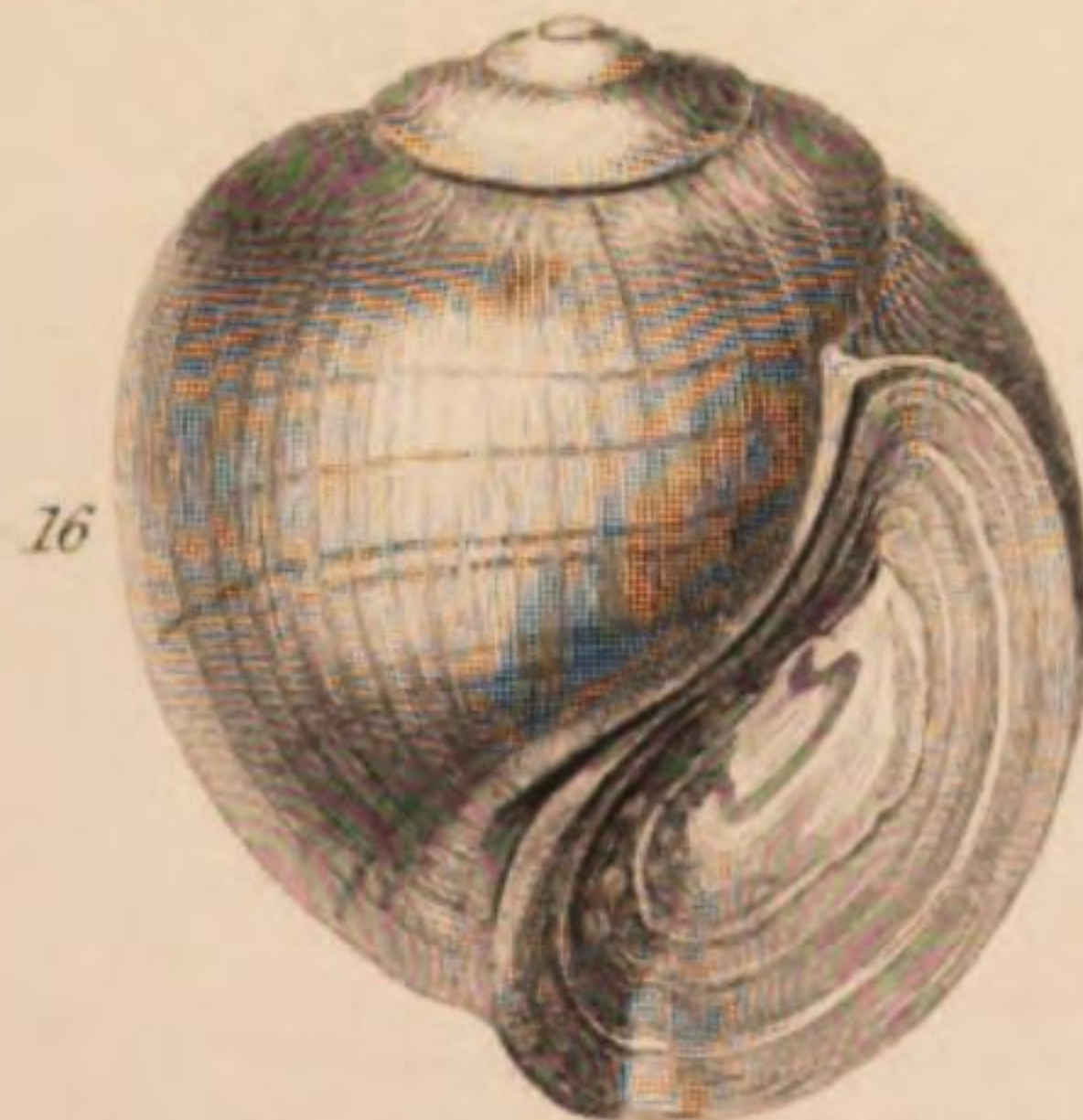
7. Oper. Turbo

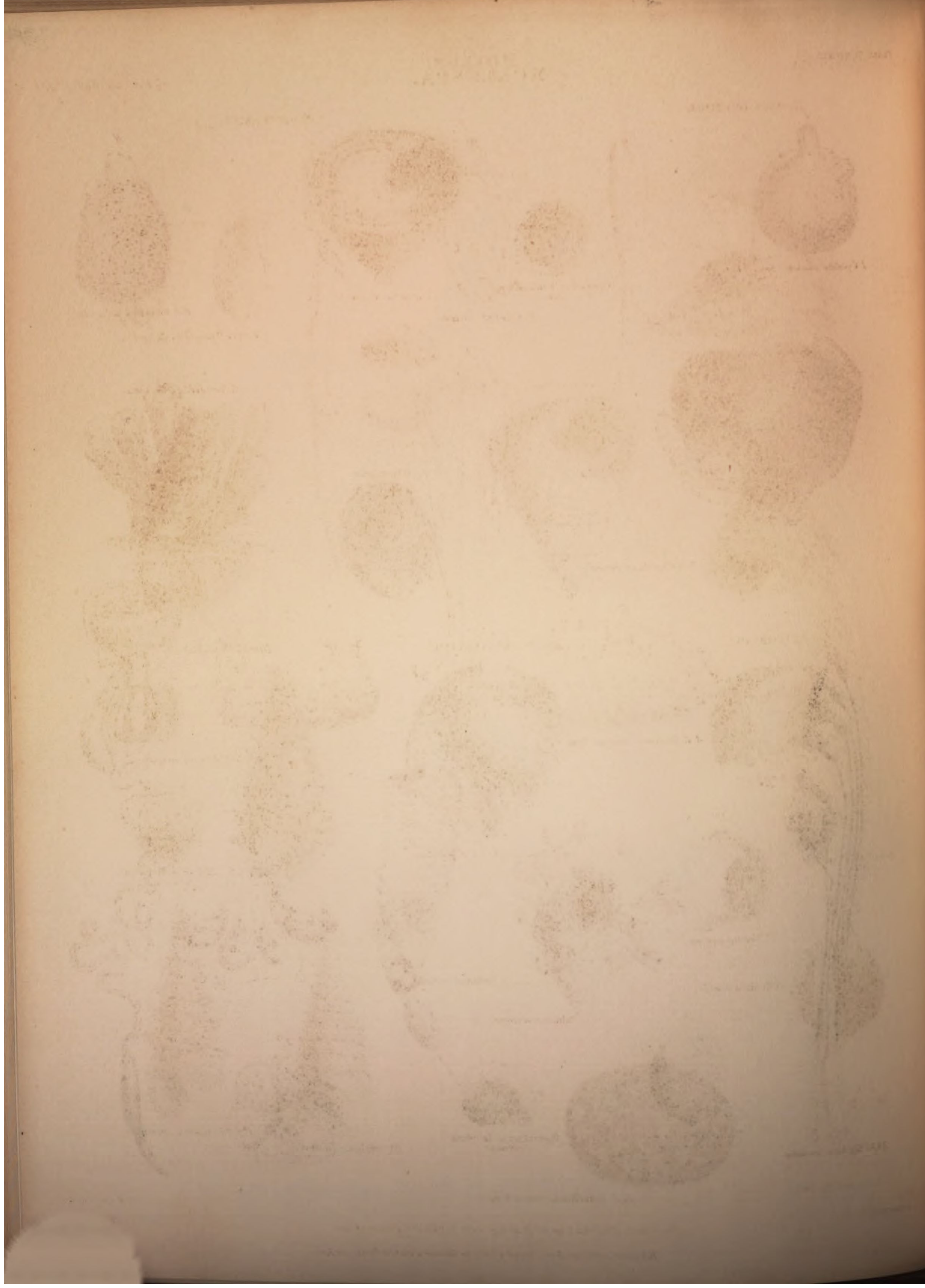


Fam. III. NERITADÆ.

Fam. IV. AMPULLARIADÆ.

Fam. V. CERITHIADÆ.







1 *Cynthia momus* Sav.



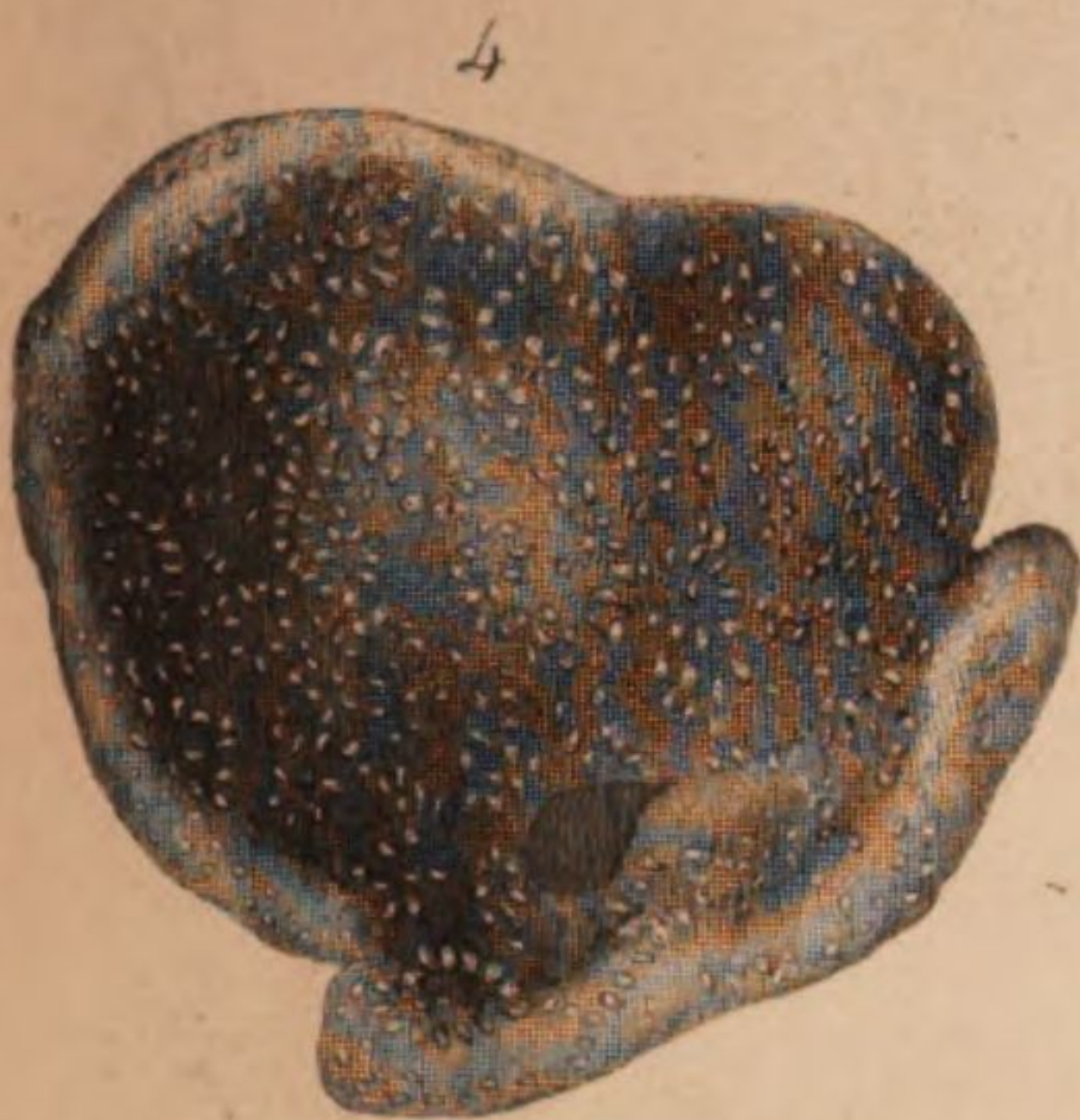
2,3 *Clavelina borealis*



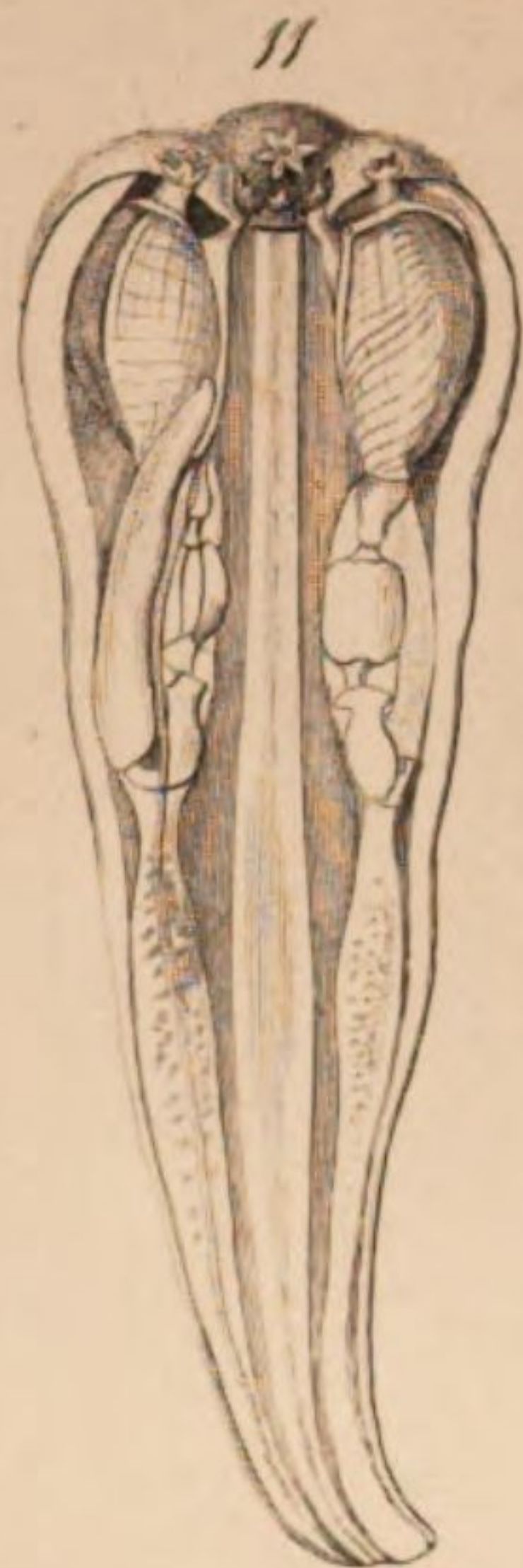
7 *Cynthia canopus*



8,9 *Botryllus polycyclus*



4-6 *Distoma rubrum* Sav.



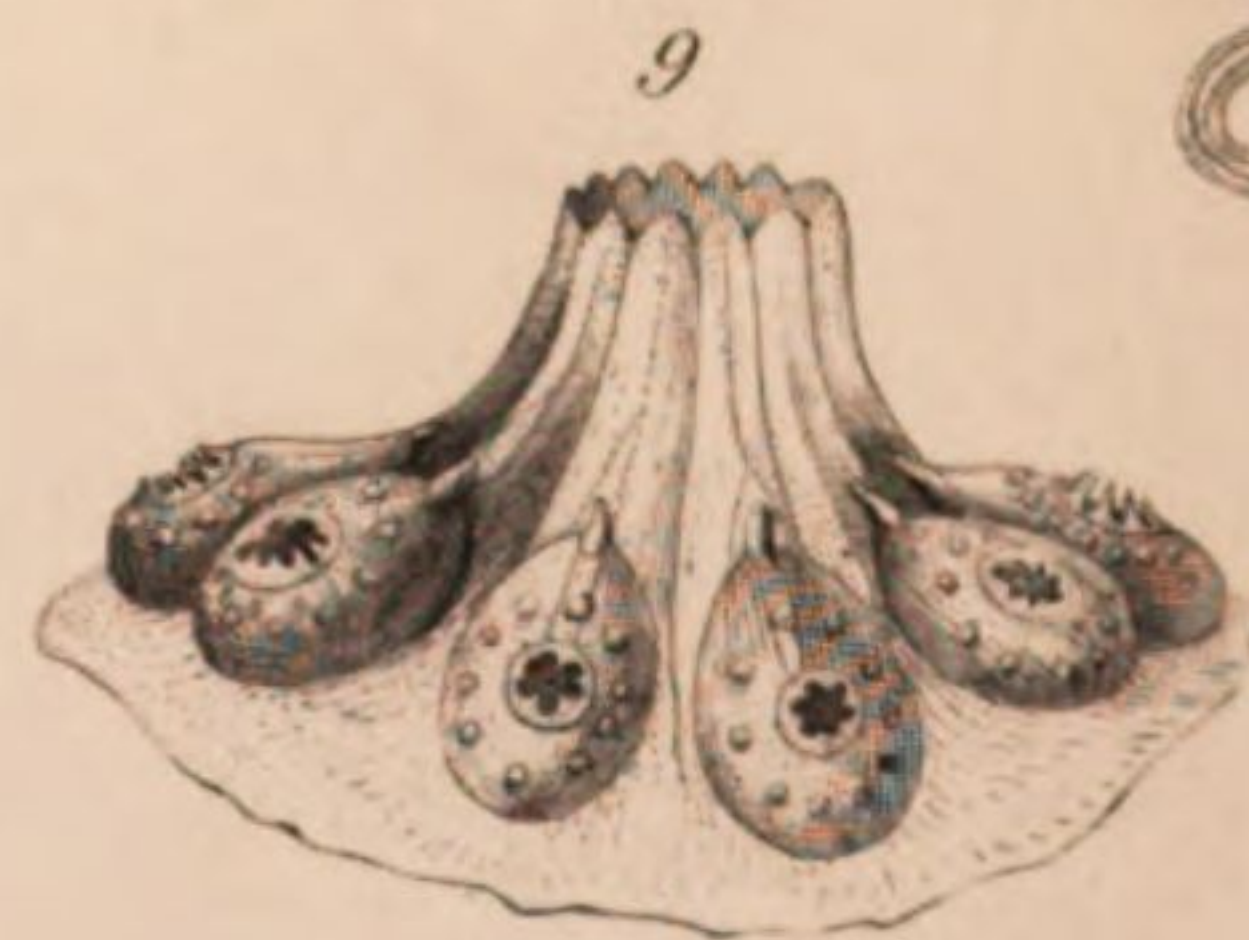
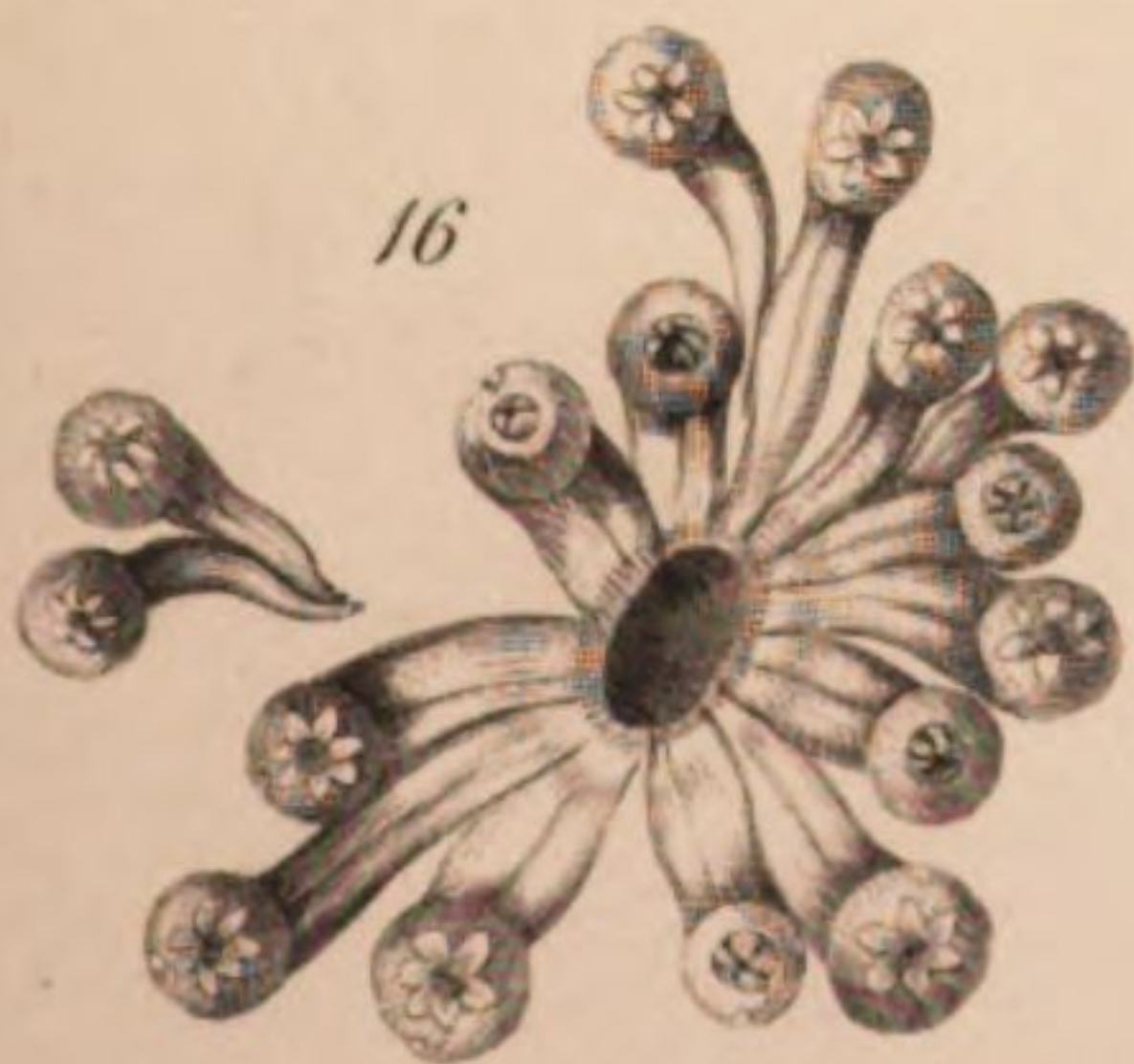
10-12 *Synoicum turgens*



13,14 *Sigillina australis*



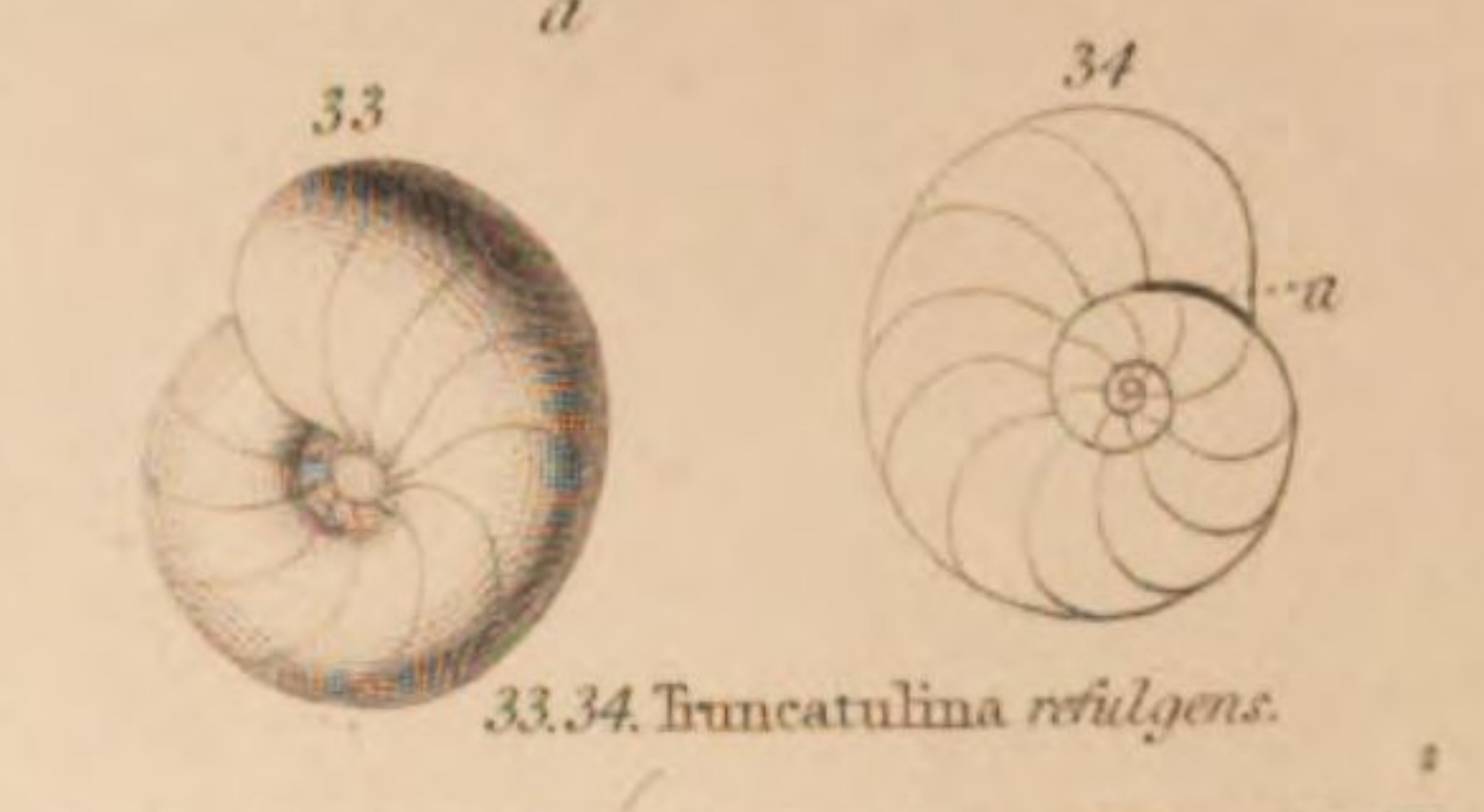
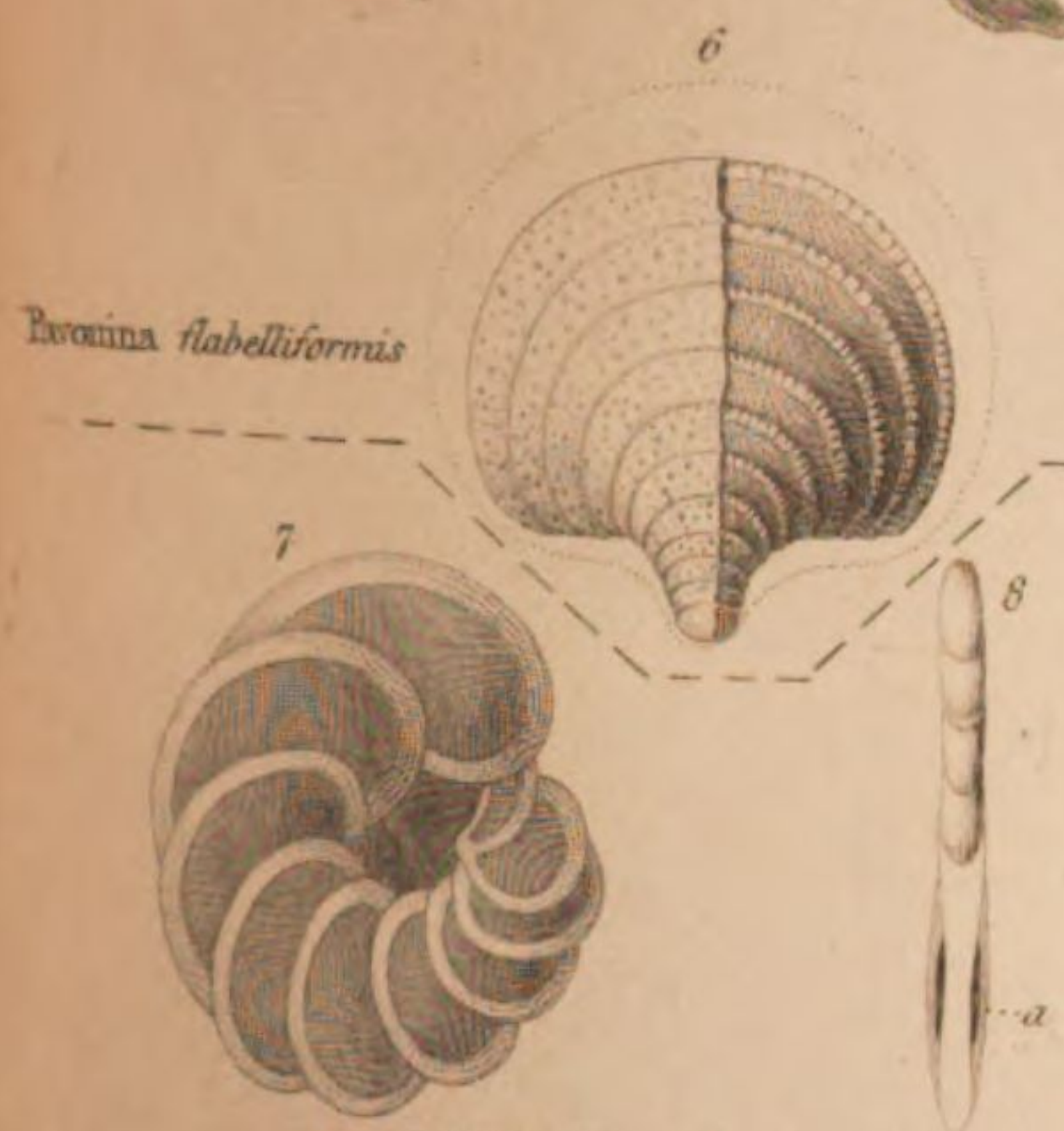
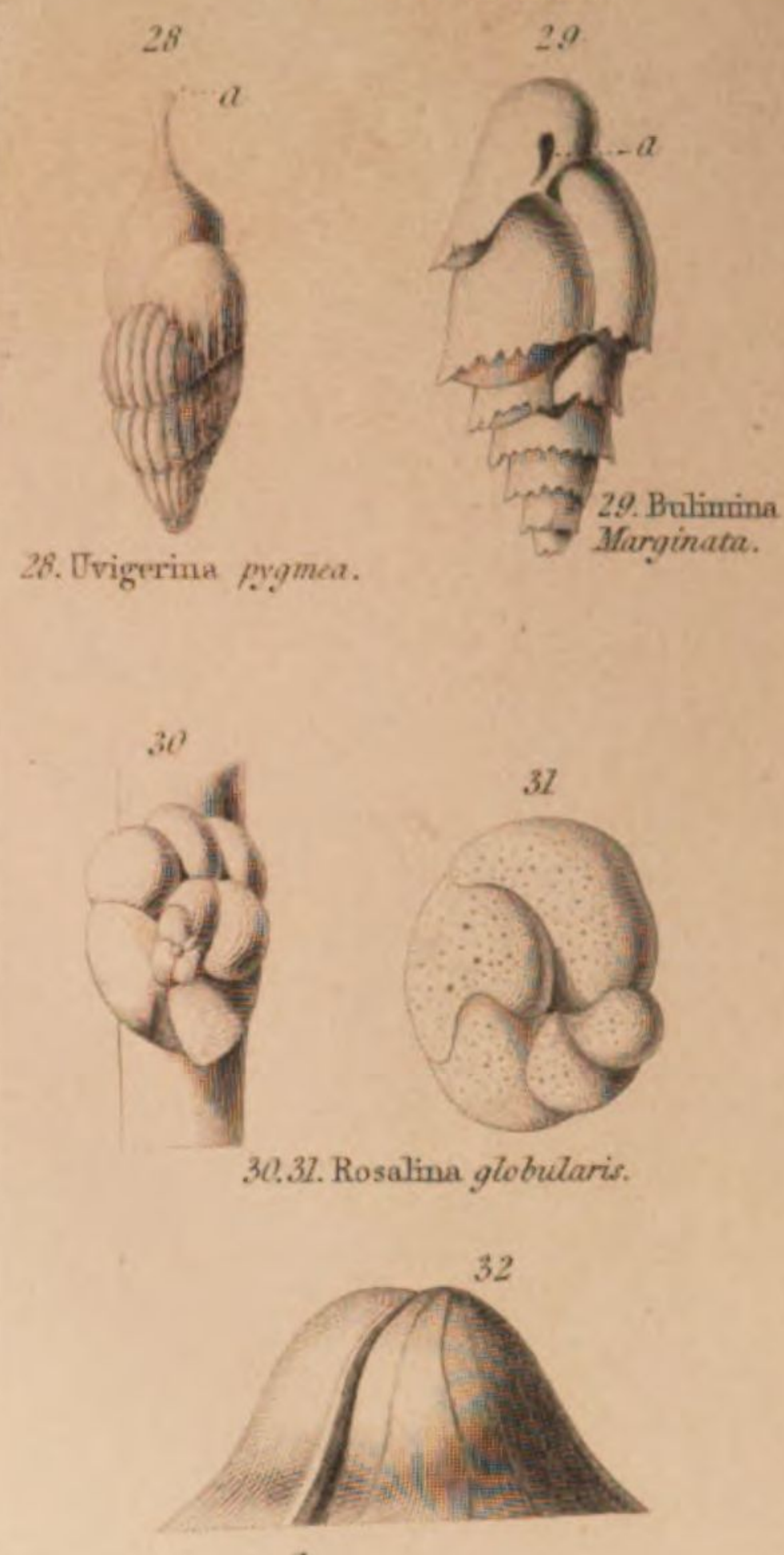
15,17 *Polyclinum constellatum*



Fam. I. NODOSORIADÆ.

Fam. II. TEXTULARIADÆ.

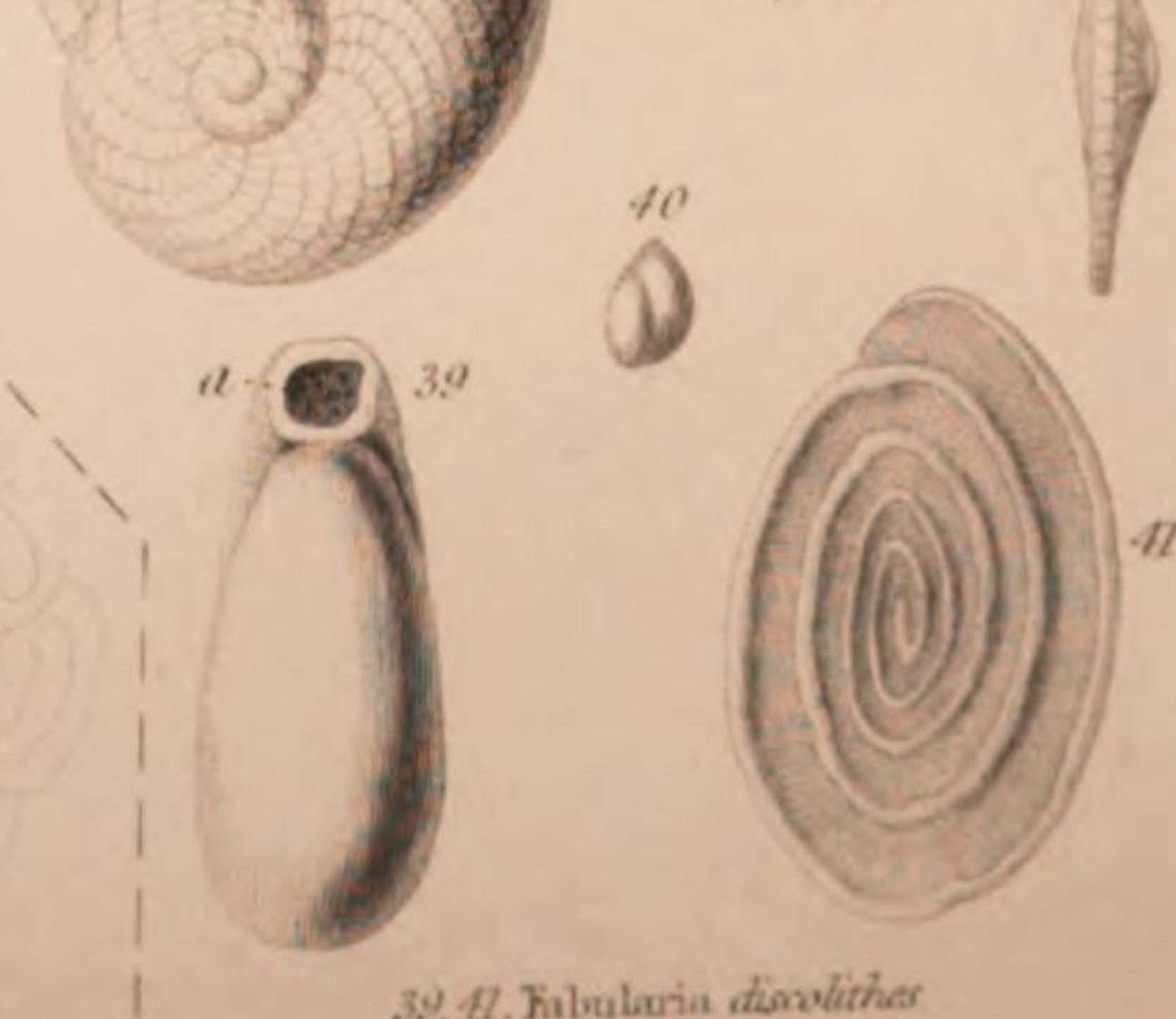
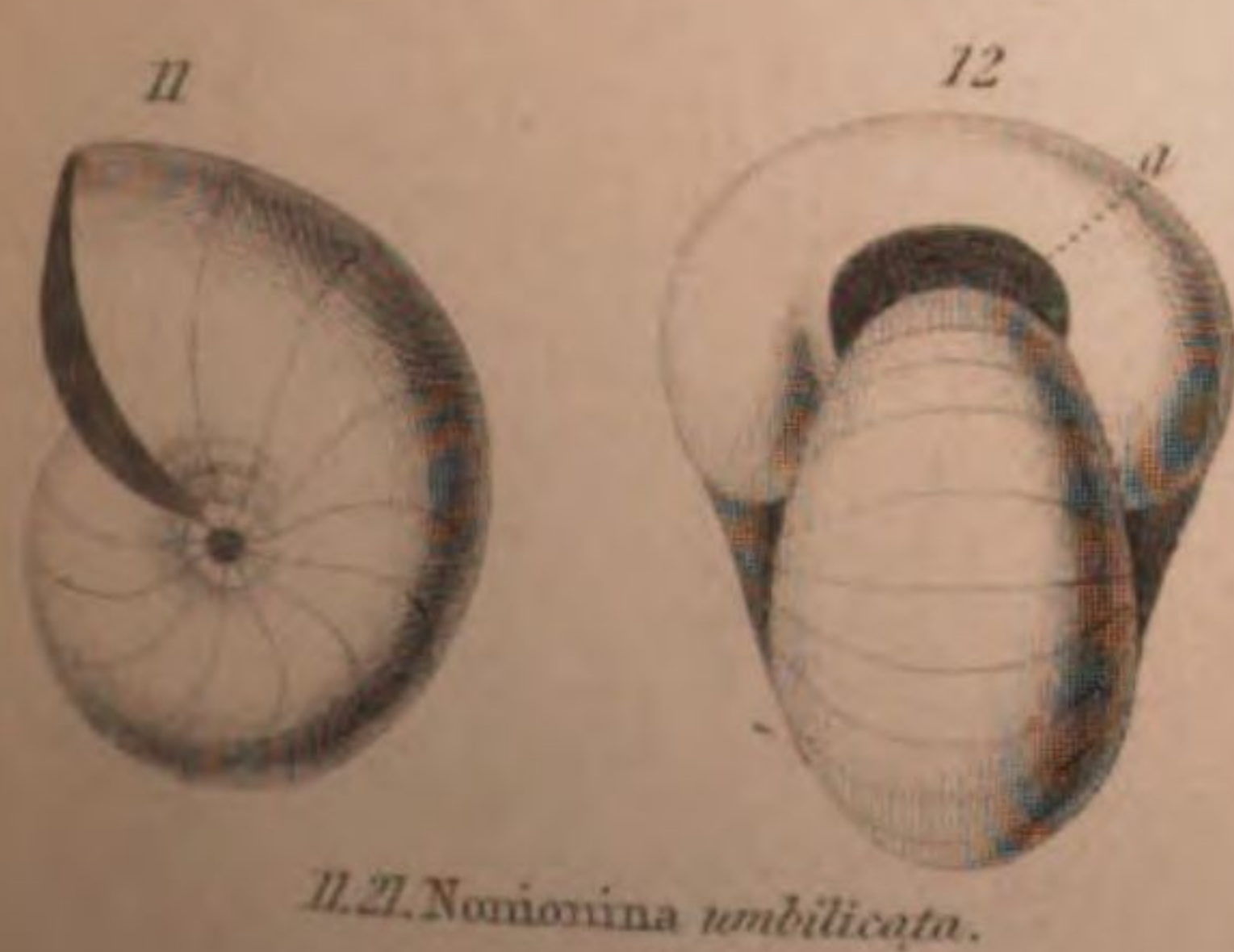
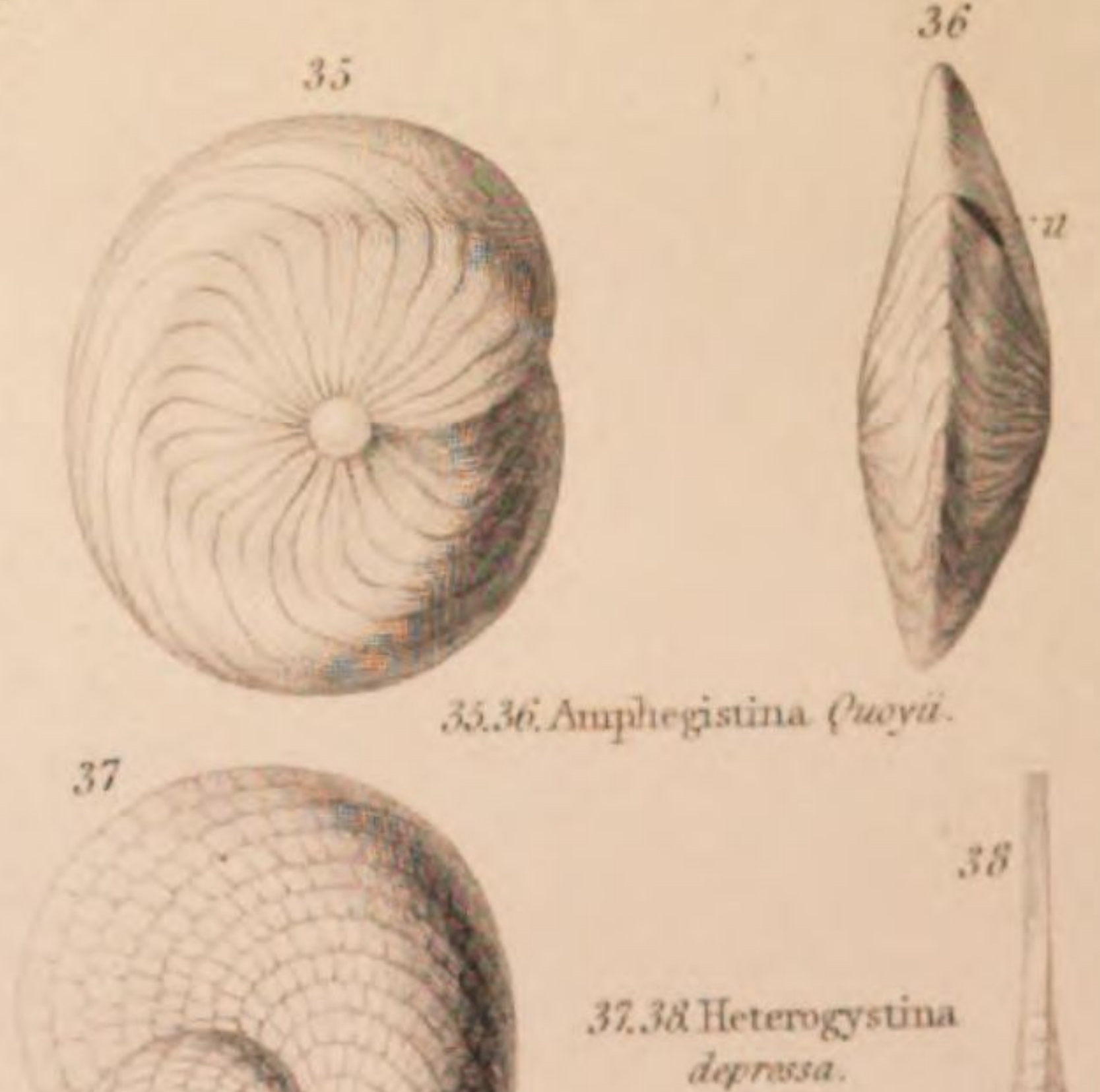
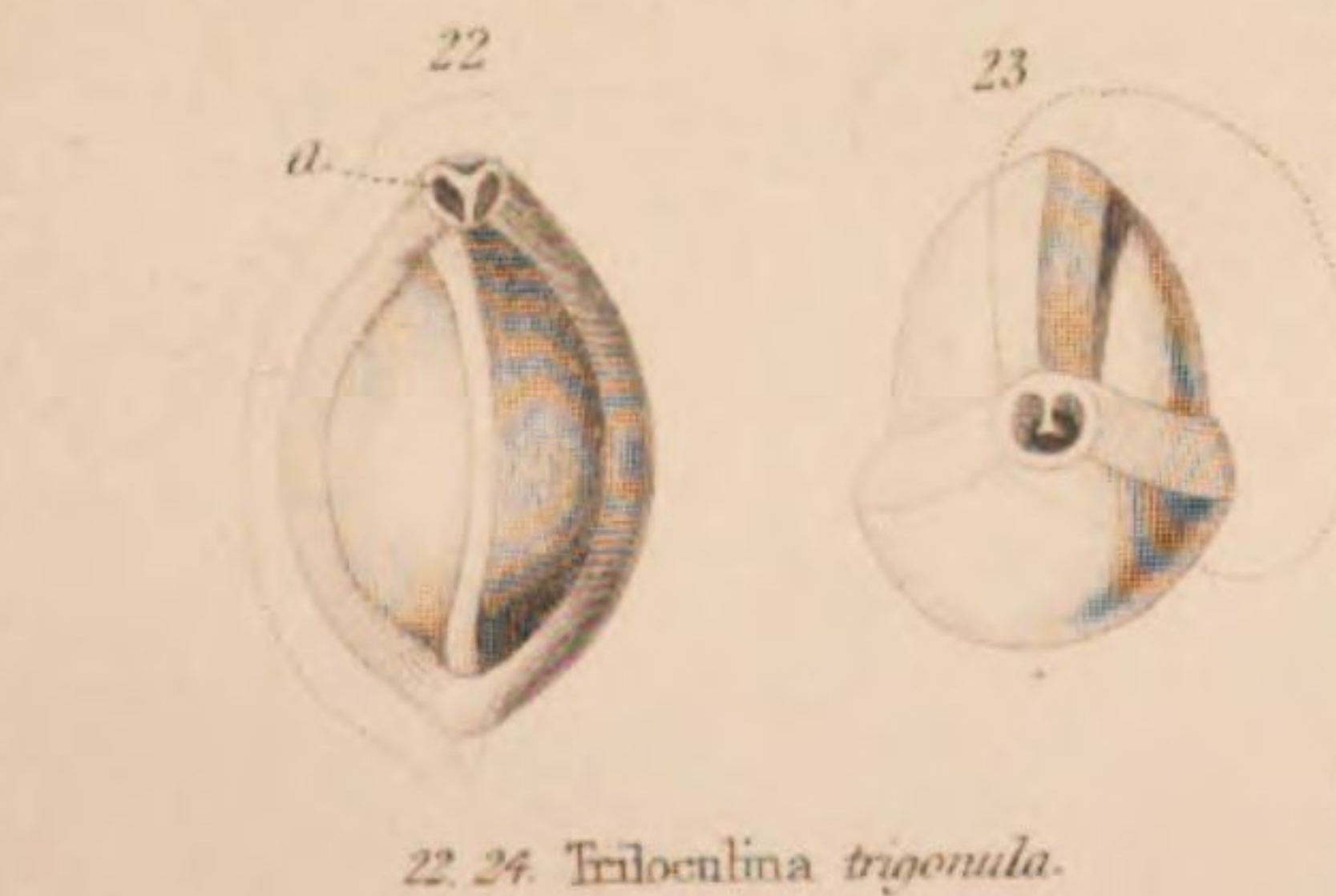
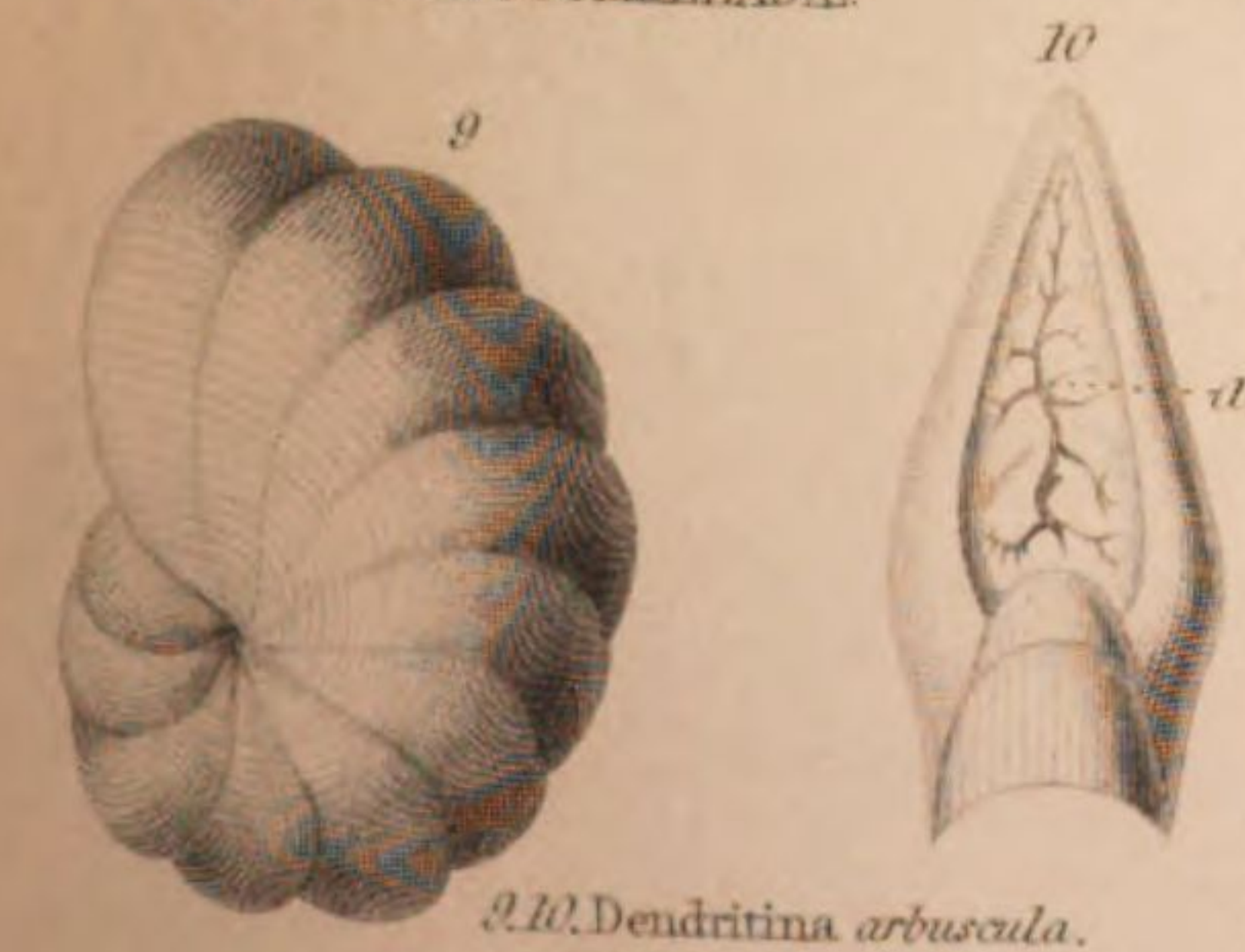
Fam. III. ROTALIADÆ.



Fam. IV. POLYSTOMELLADÆ.

Fam. V. MILIOLIDÆ.

Fam. VI. ORBICULINADÆ.



All these shells being very small, they are all more or less magnified, in all the figures, a, represents the mouth, and the dotted lines, represent the theoretical form of the cells.

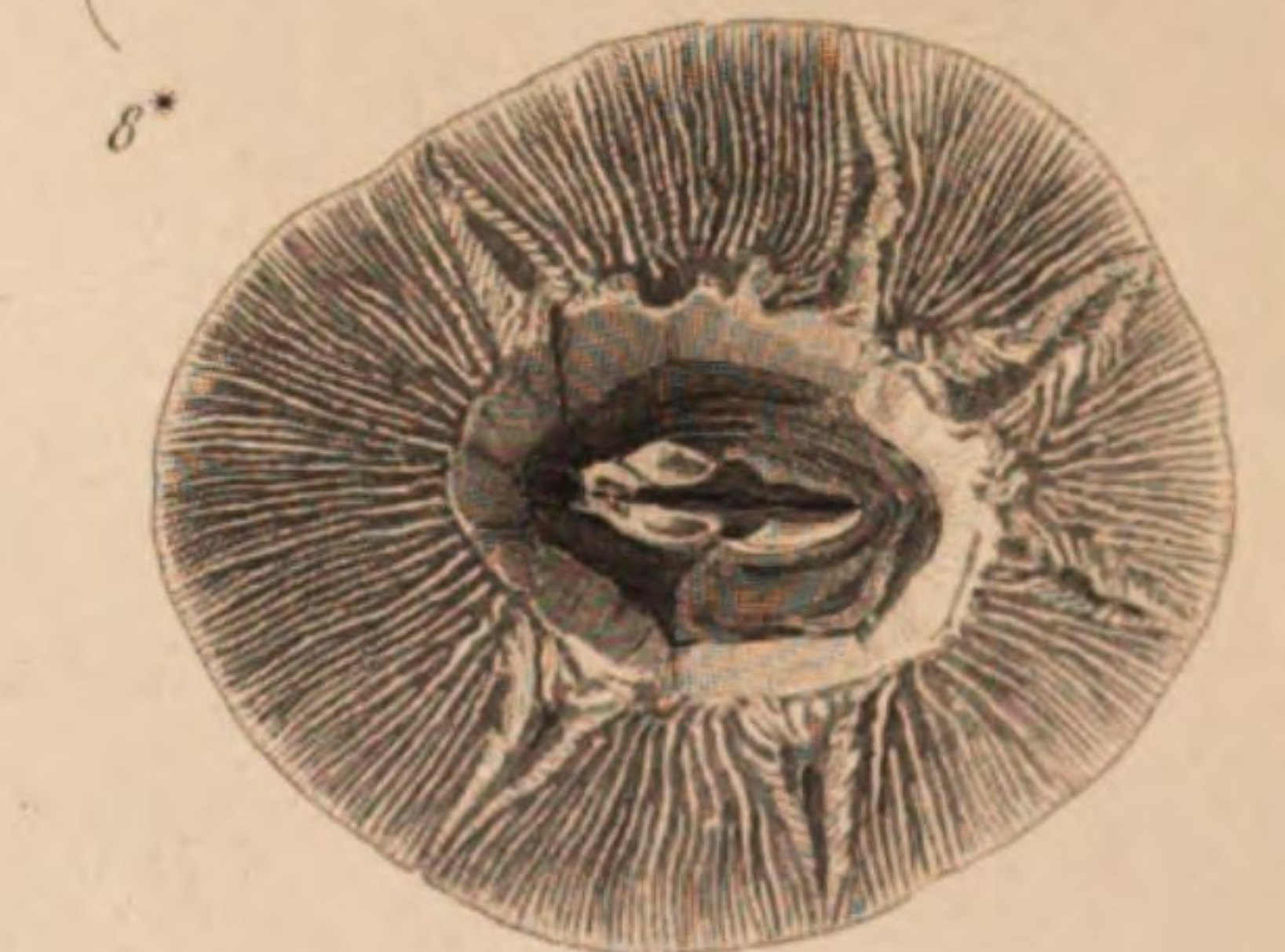
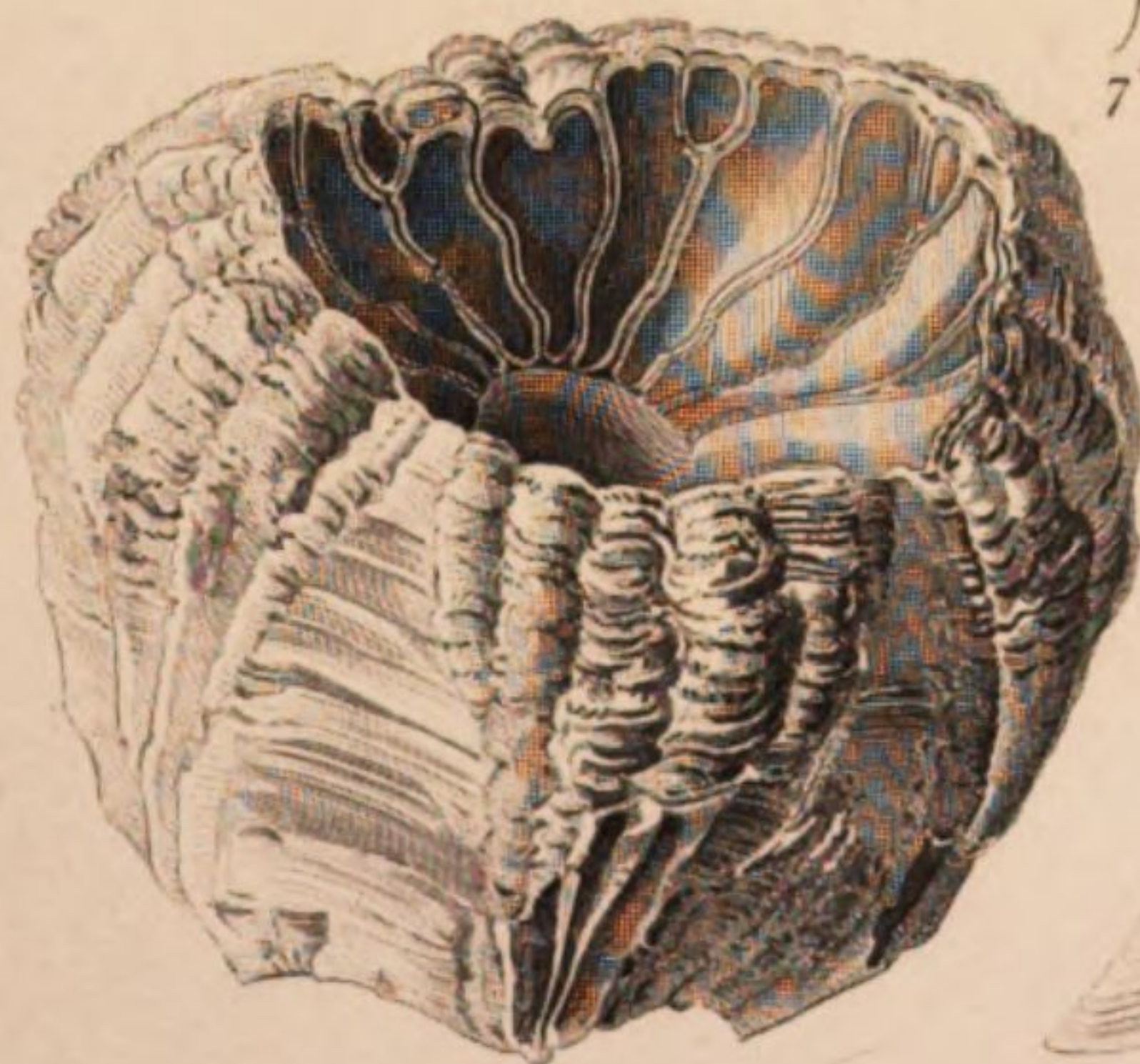
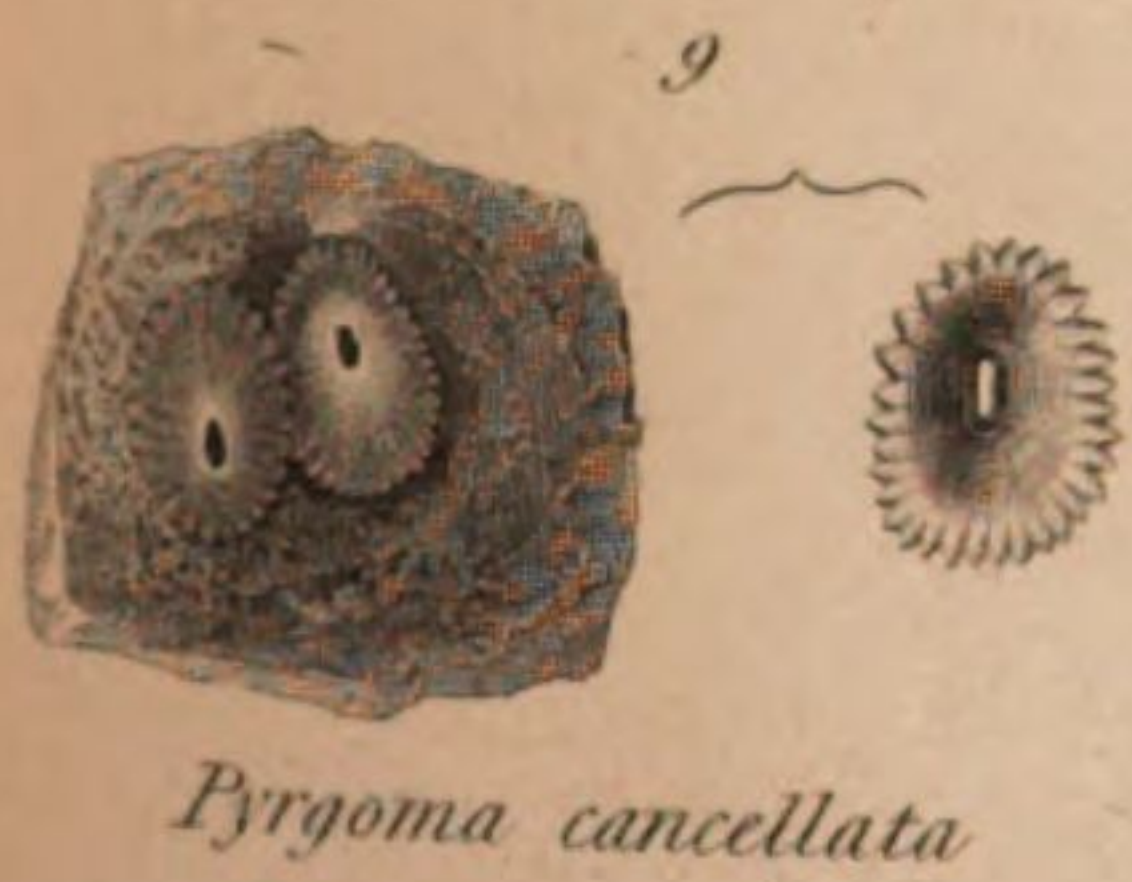
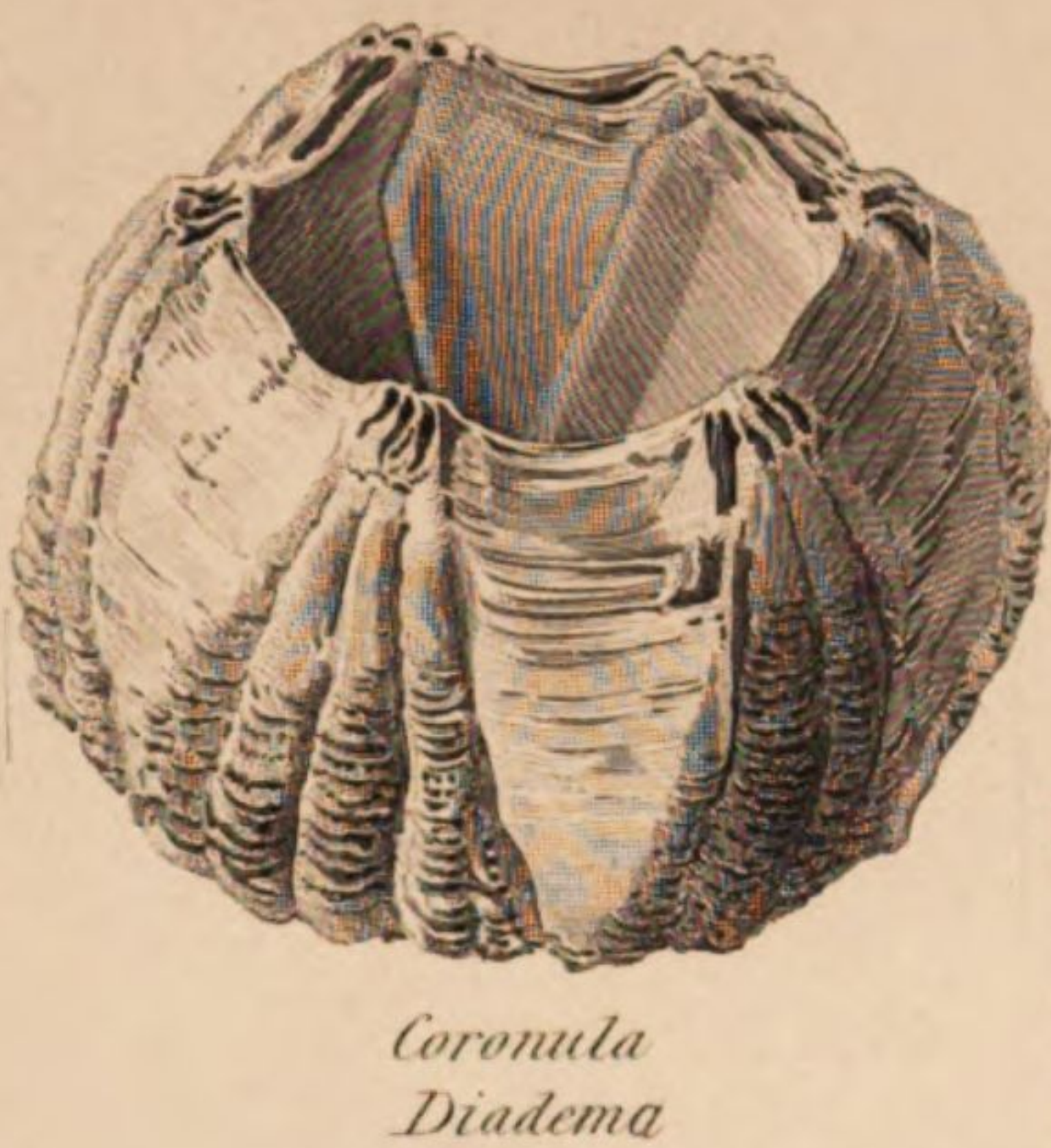
Class. CIRRIPEDES.

Order. Campylosomata.

Plate I.



Order. Acantosomata.

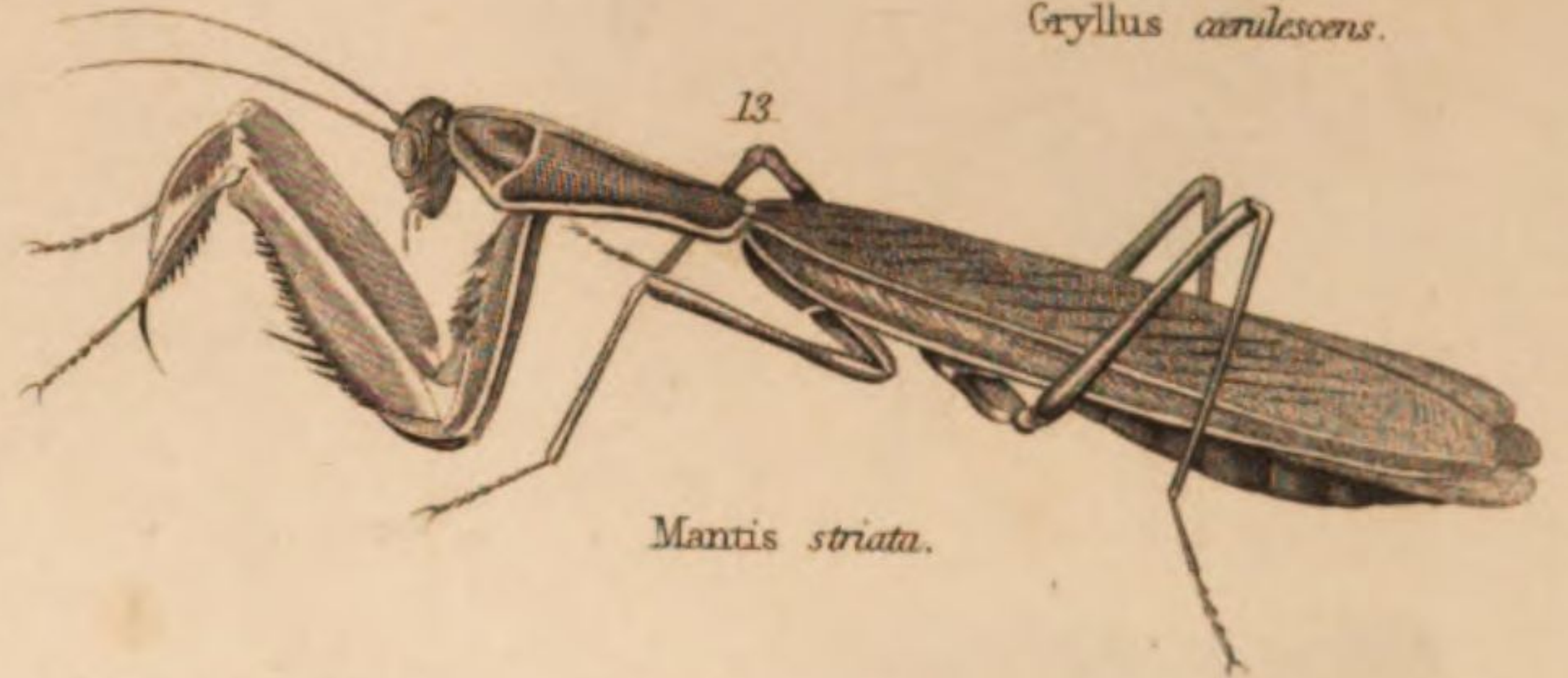
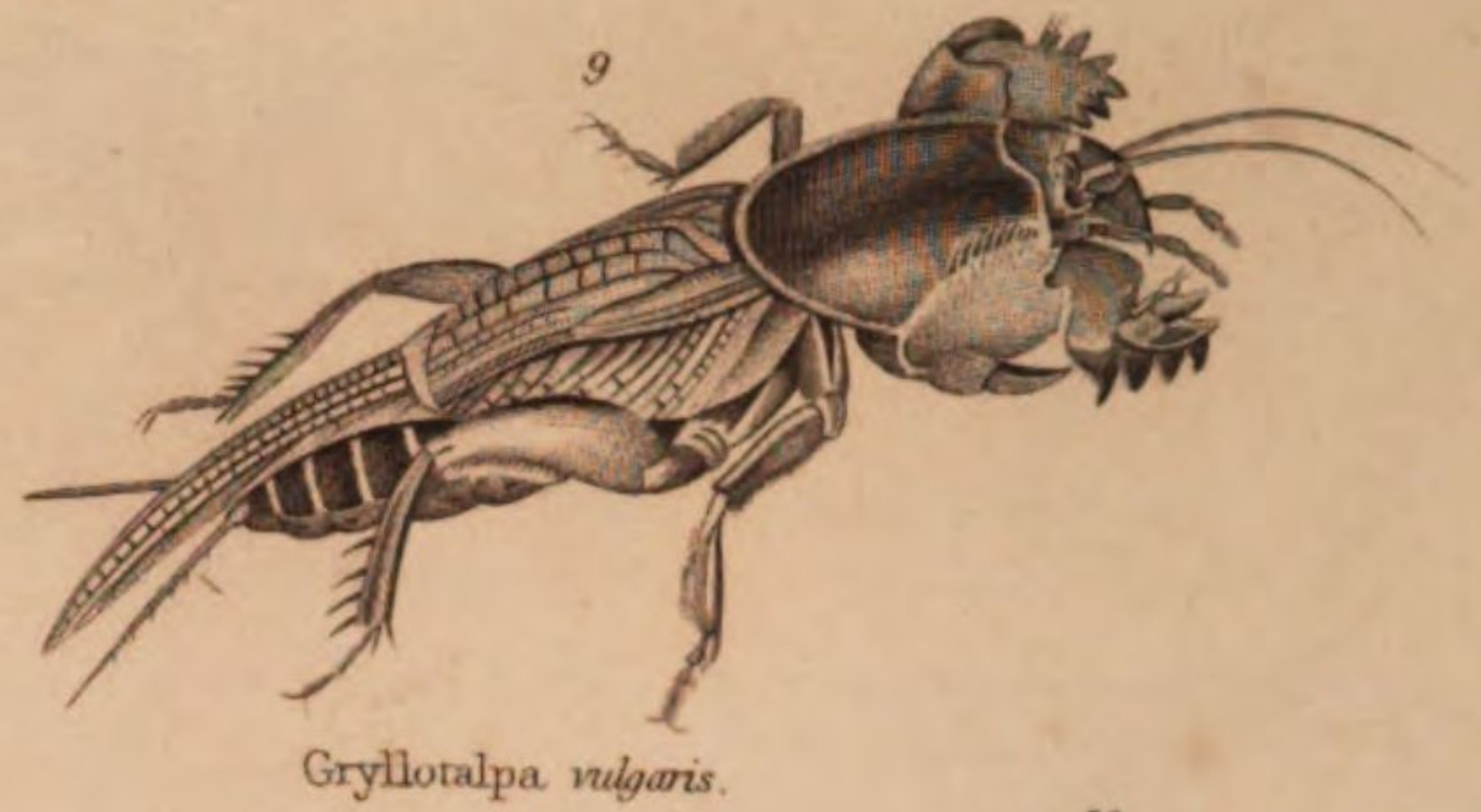
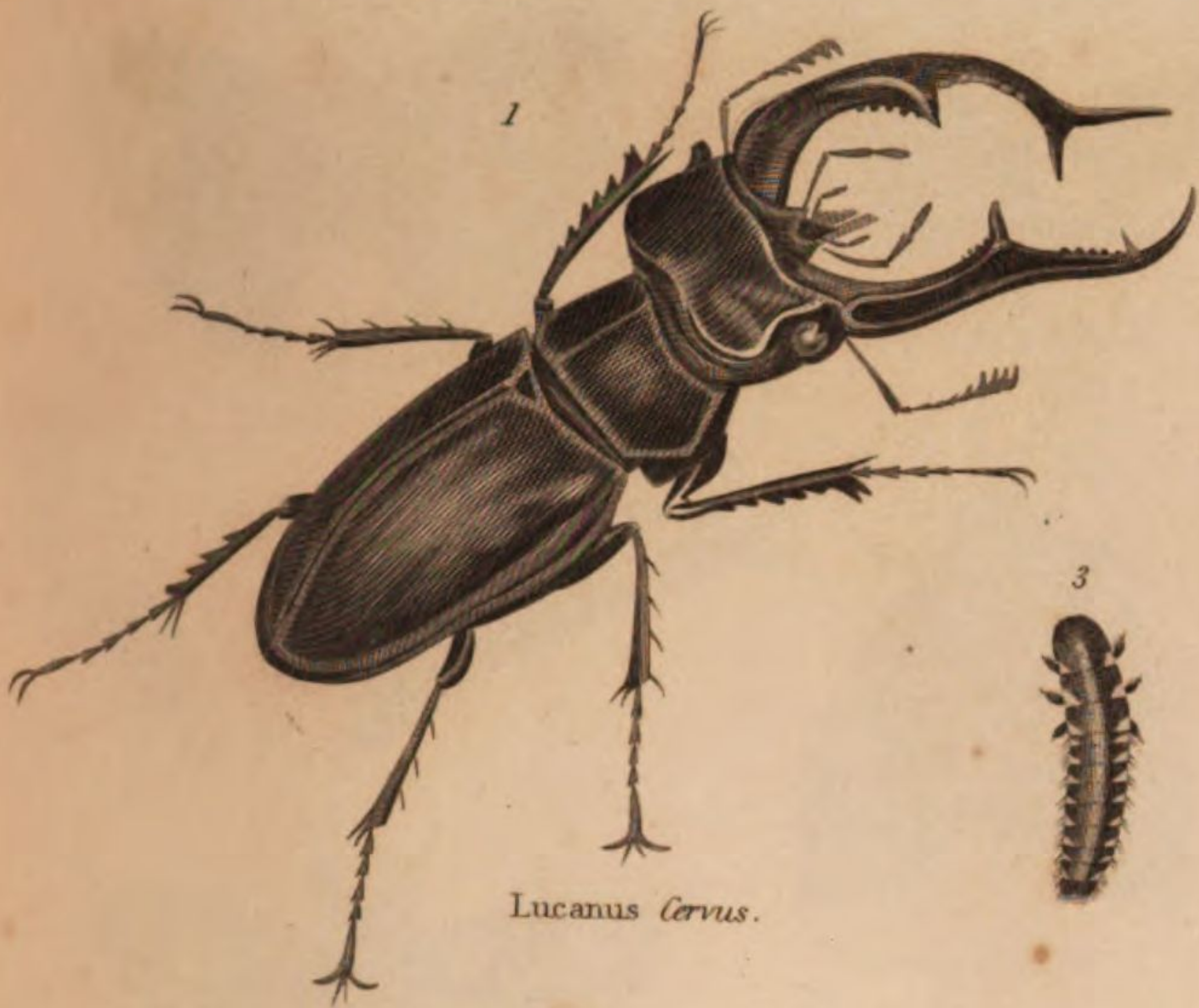


INSECTA.

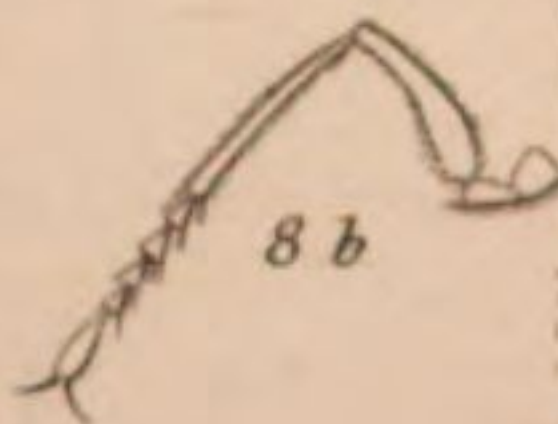
Order. COLEOPTERA.

Class MANDIBULATA.

Order. ORTHOPTERA.



Order. NEUROPTERA.

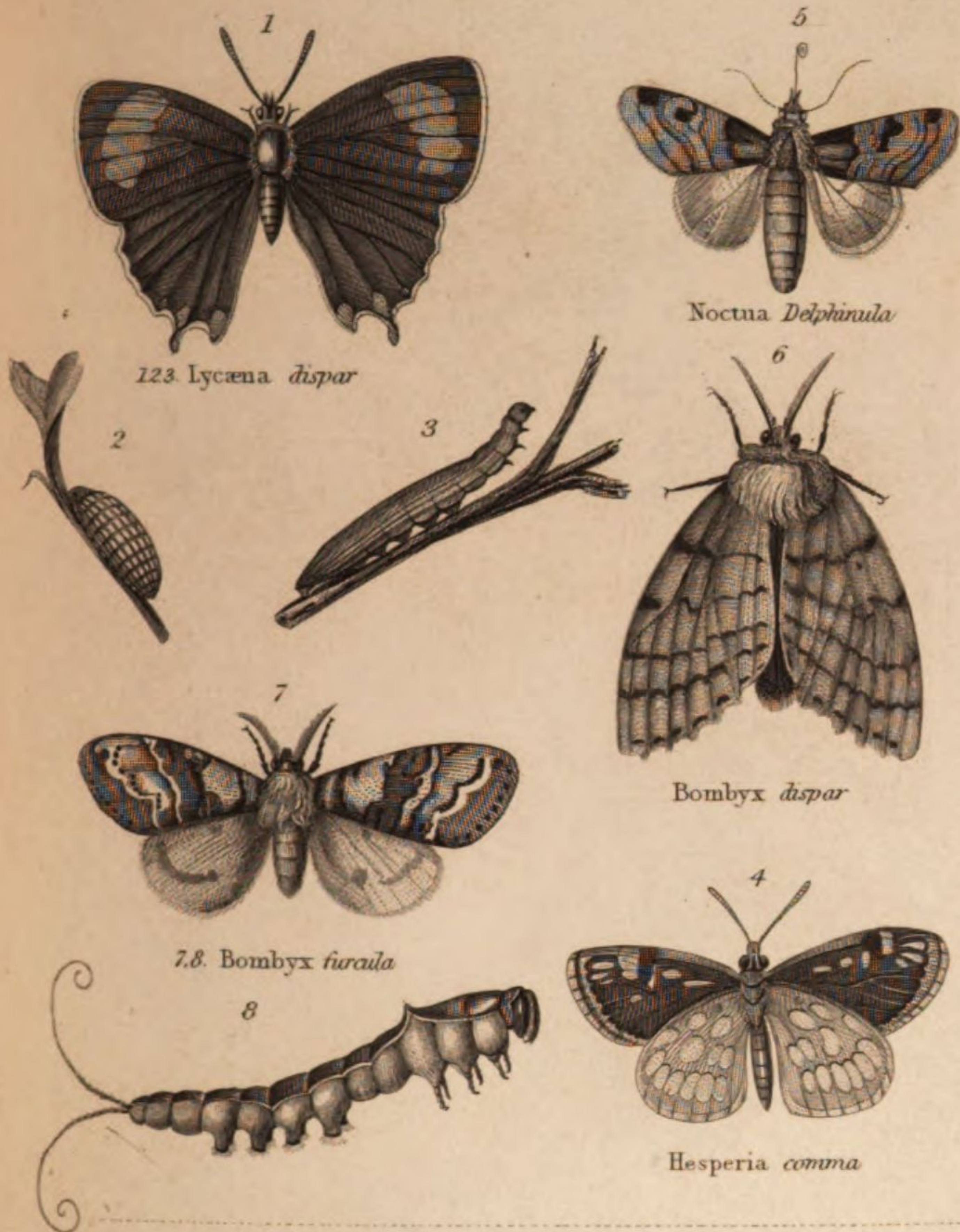


Order. HYMENOPTERA.

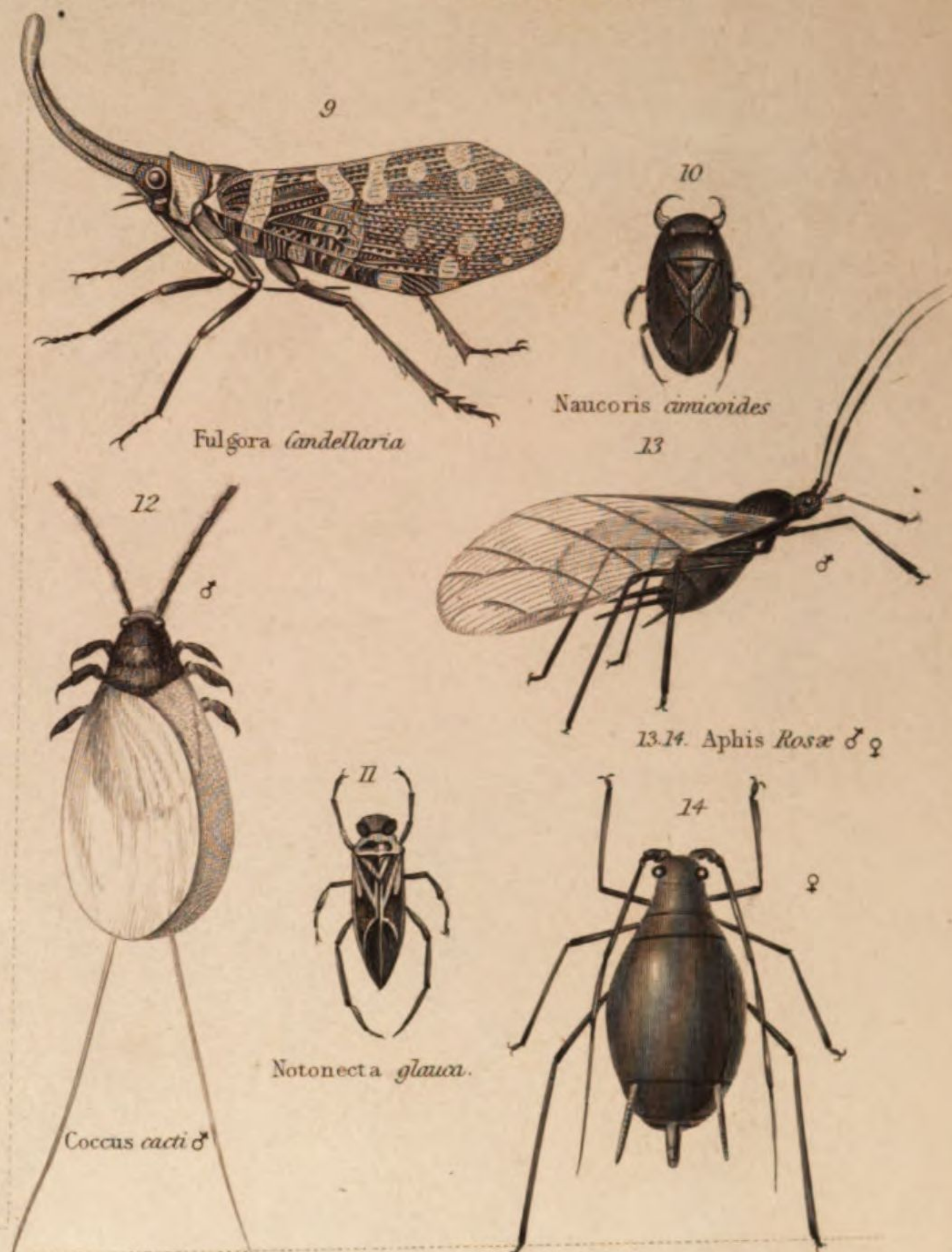


INSECTA.

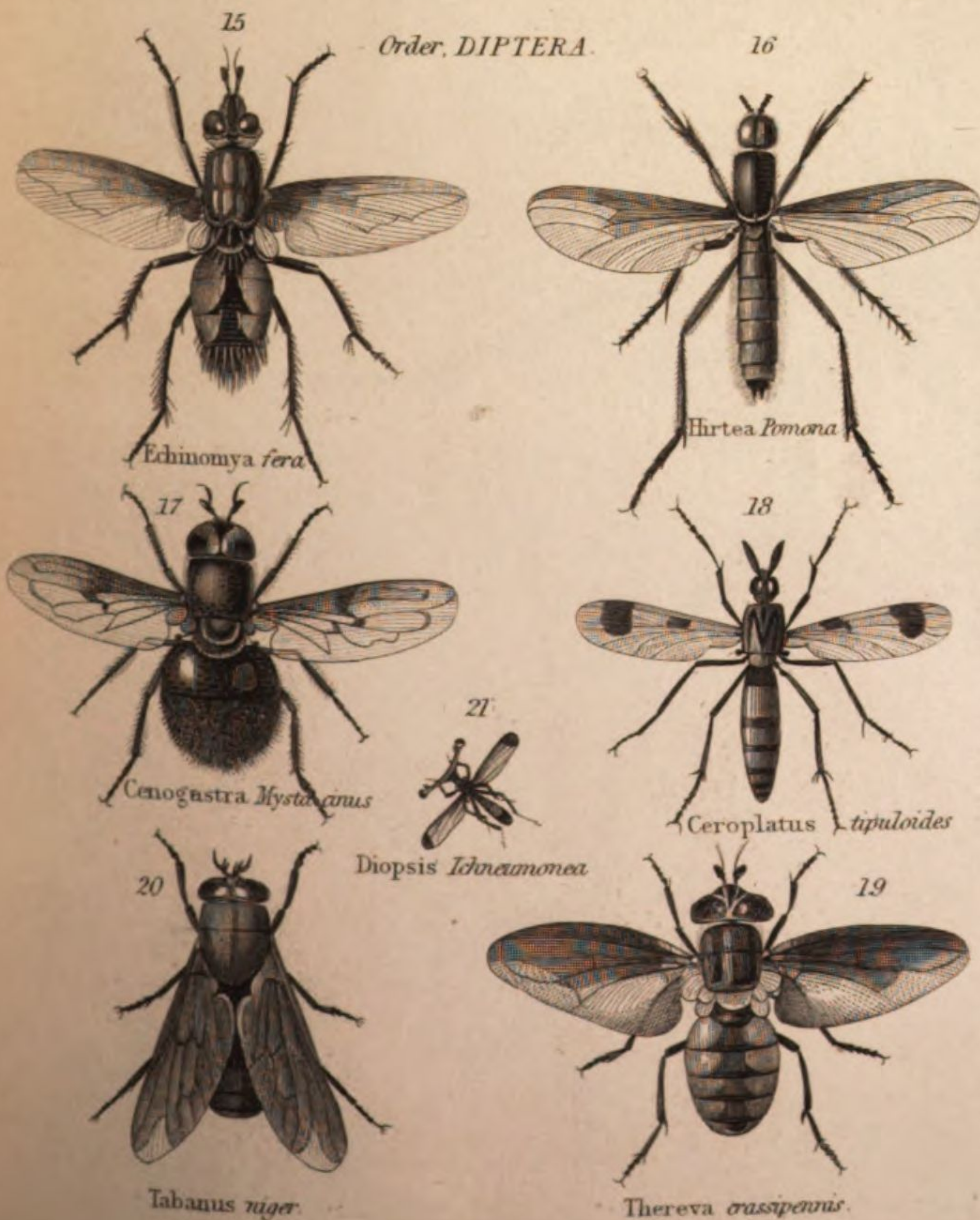
Class. HAUSTELLATA
Order. LEPIDOPTERA



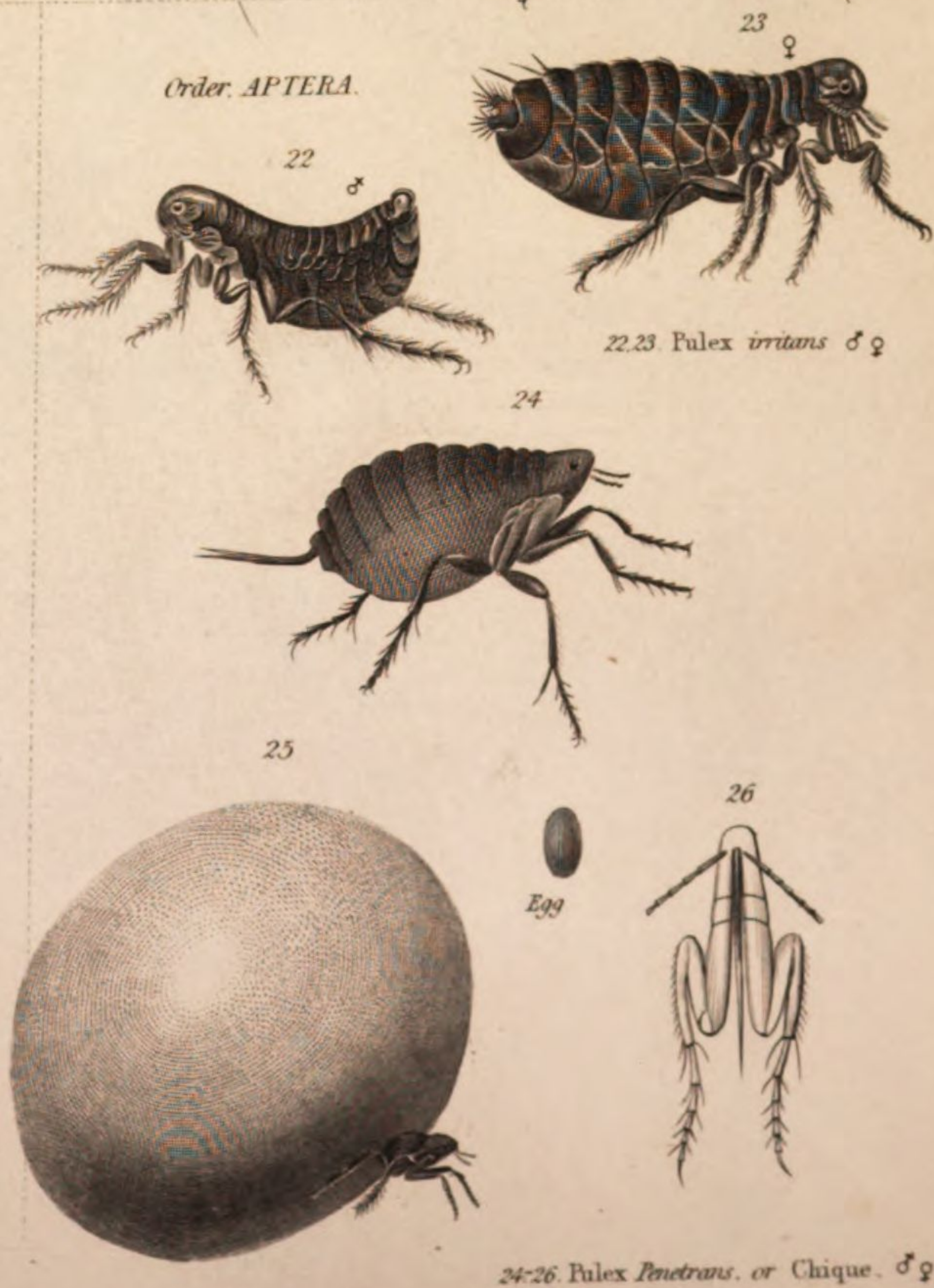
Order. HEMIPTERA.



Order. DIPTERA.



Order. APTERA.



J. W. Lowry sculp

INSECTA.
Order COLEOPTERA.

PLATE 3.



Anthia 4 guttata



Elaphrus uliginosus



Omophron lividum



Hydrôus piceus



Necrophorus vespillo



Passalus interruptus



Drilus flavescens



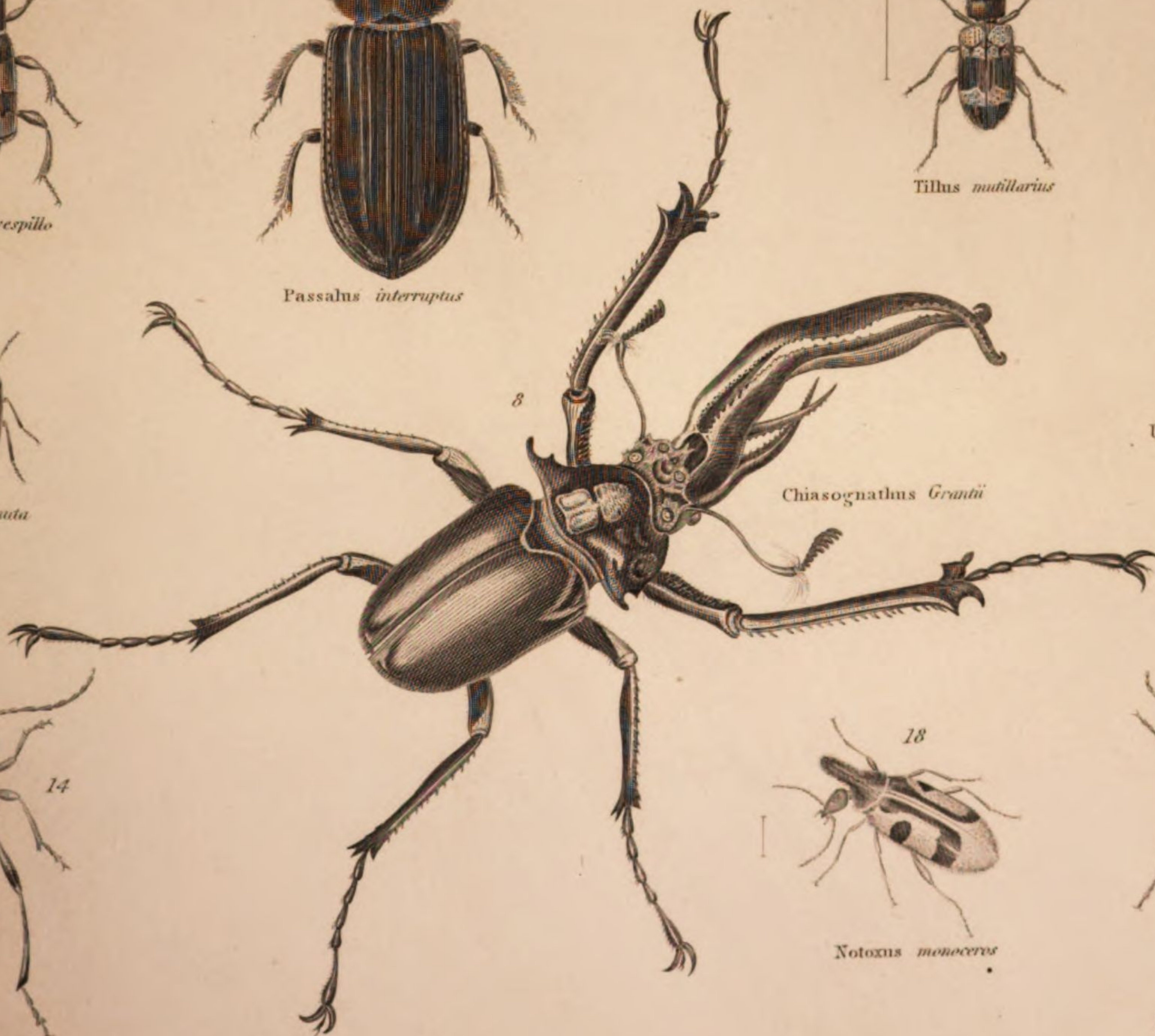
Tillus mutillarius



Uleiota flavipes



Tachys minuta



Chiasognathus Grantii



Notoxus monoceros



Rhagium mordax



Molophilus abbreviatus



Homalysus suturalis



Cerocoma Schaefferi



Callichroma alpina



Enicopus niger



Lomechusa dentata

J.W. Levey sculp.

INSECTA.

PLATE 4.

Order COLEOPTERA.



Helophorus aquaticus



Scaphidium 4maculatum



Anthicus pedestris



Nitidula grisae



Ptinus Fur



Necrodes littoralis

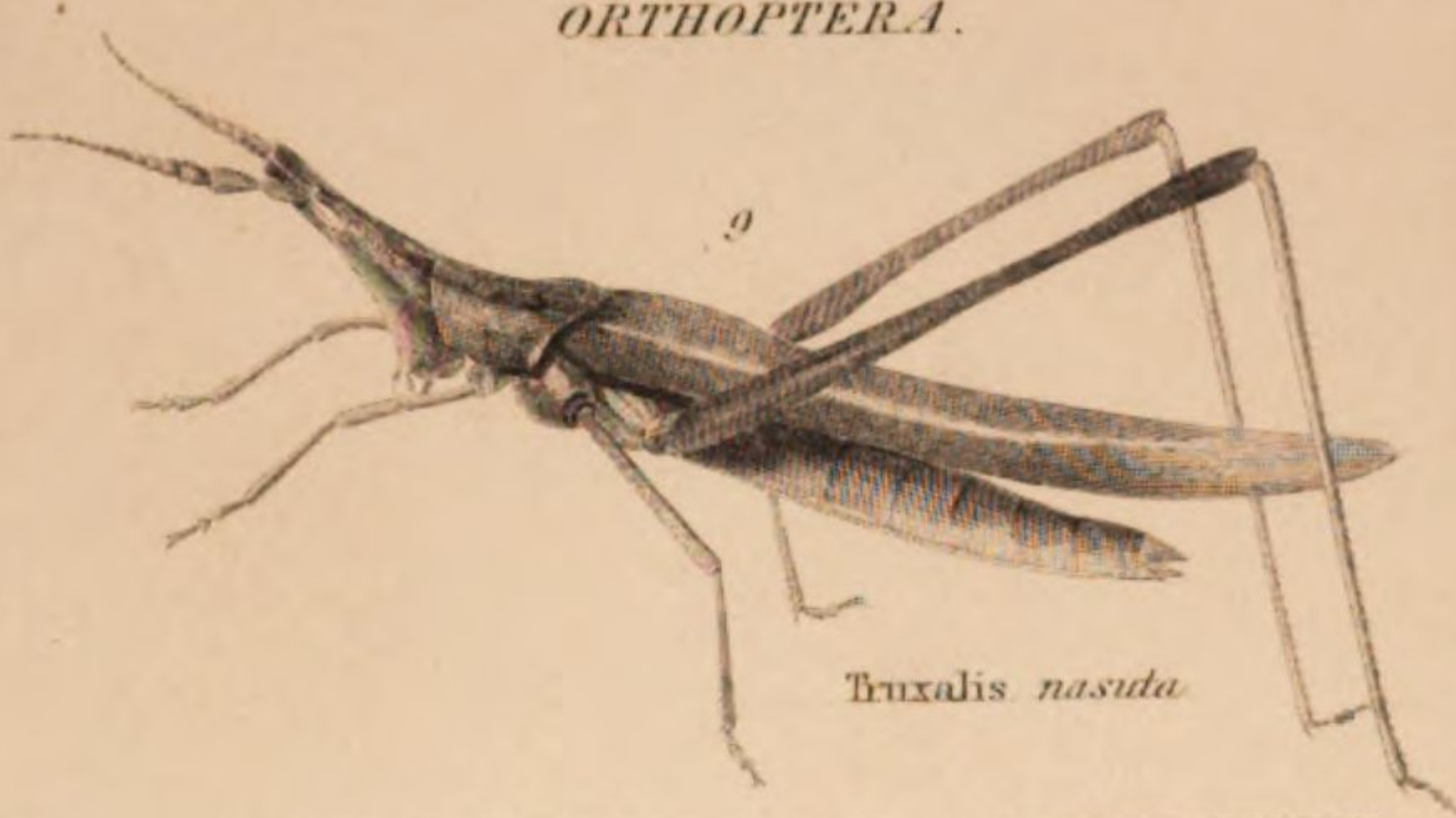


Apate capuzina

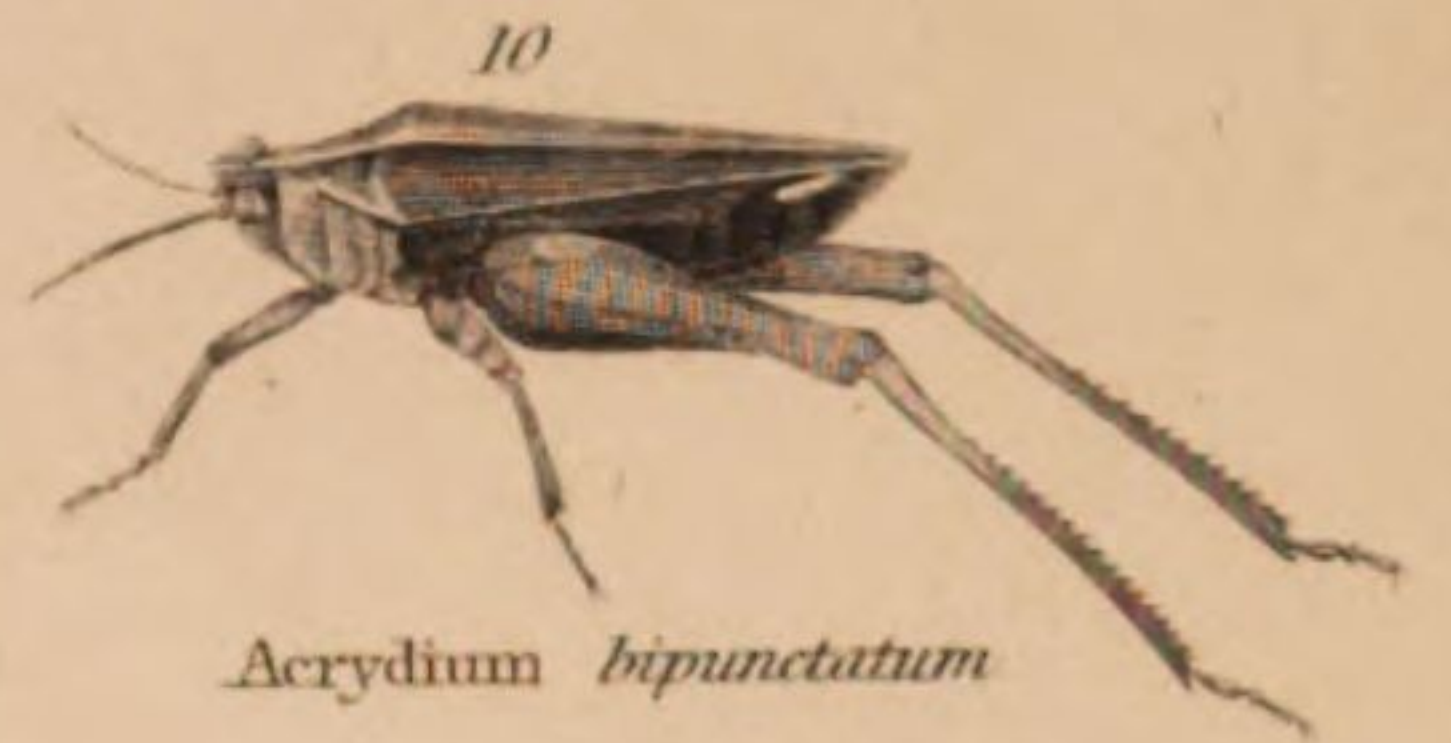
ORTHOPTERA.



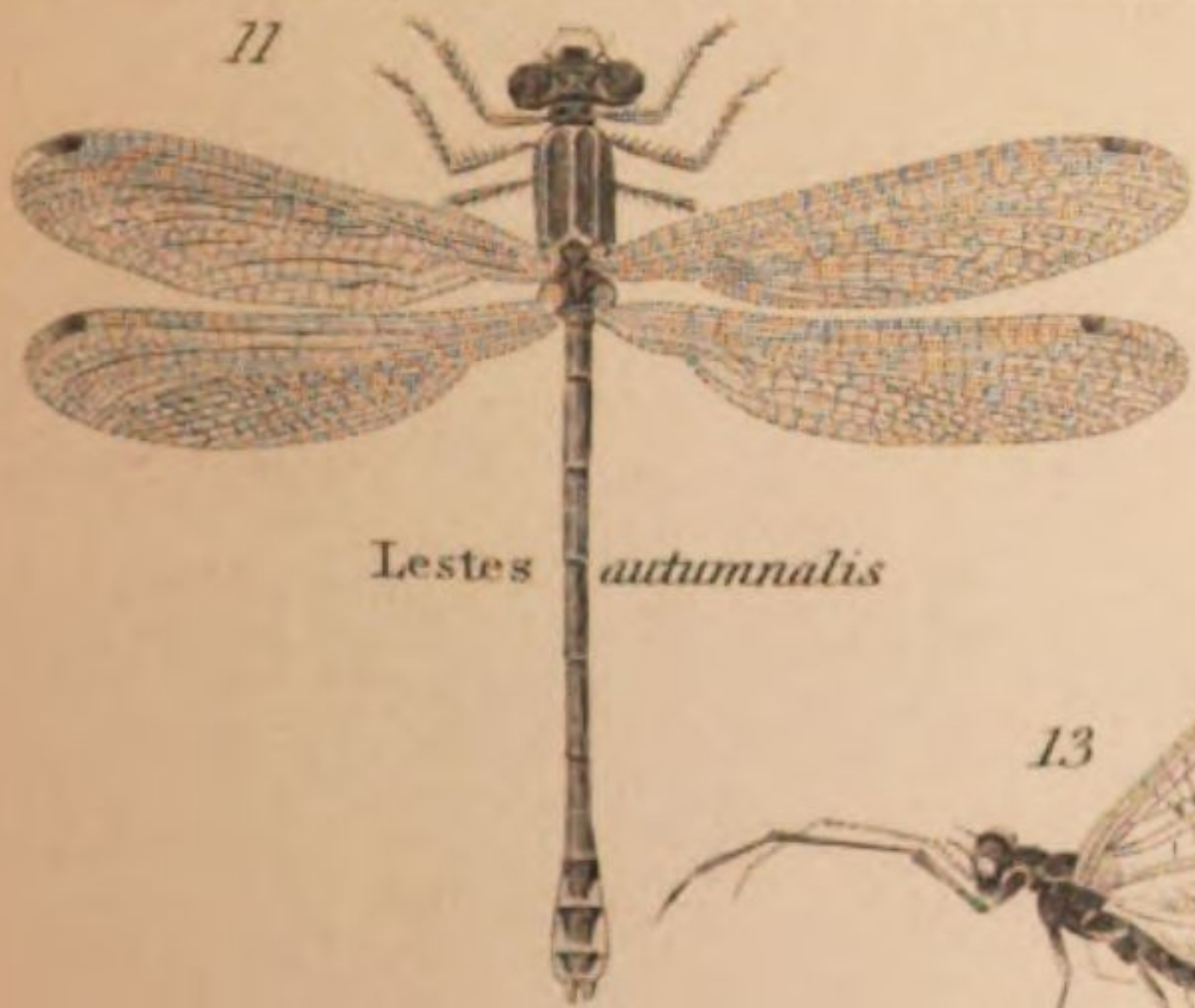
Tridactylus paradoxus



Braxalis nasuta



Acrydium bipunctatum



Lestes autumnalis



Raphidia notata



Ephemerula vulgata



Panorpa vulgaris

TRICHOPTERA.



Limnephilus griseus

HYMENOPTERA.



Banchus pictus



Scolia 4maculata



Ichneumon manifestator



Evania appendigaster



Mutilla coccinea



Pterygophorus cinctus



Masaris apiformis

J.W. Lowry sculp.

INSECTA.
Order LEPIDOPTERA.

PLATE 5.



Fidonia melanaria



Earis clorana



Crambus margaritellus



Adela Sultzella



Harpiteryx harpella



DIPTERA



Ceria conopsoides



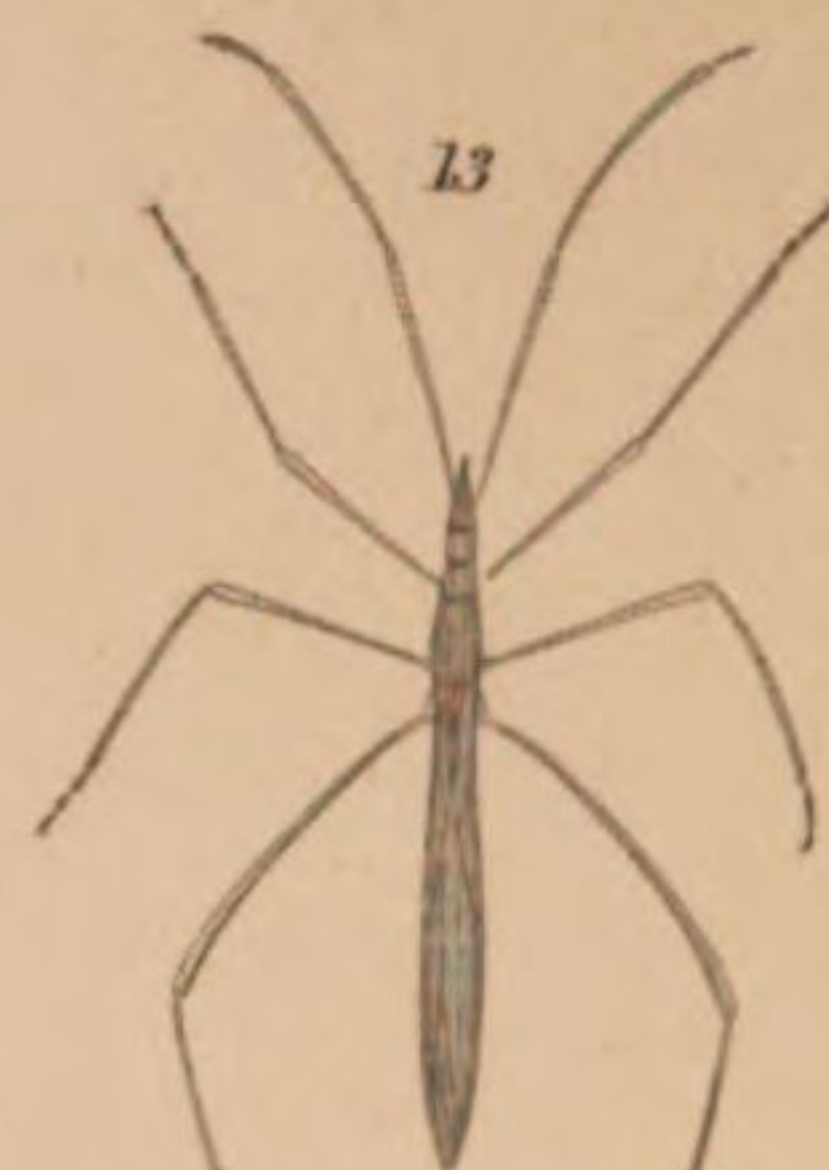
Henops marginatus



Anthrax Morio



Hydrometra stagnorum



Berytus tipularius



Tingis vinarum



Lygaeus militaris



Tetyra nigrolineata



Gerris lacustris



Syrts paradoxus

HEMIPTERA



Lystra lanuginosa



Flata alba



Delphax pellucidus



Delphax dorsatus

STREPSIPTERA



Thrips ceruleocollis



Stylops Melitta



Stylops Kirbyi



Elenchus Walkeri



Haetophagus Curtisii



Stylops Dalii



Xenos Vesparum

CRUSTACEA

Family I. BRACHYURA

1



Grapsus pictus

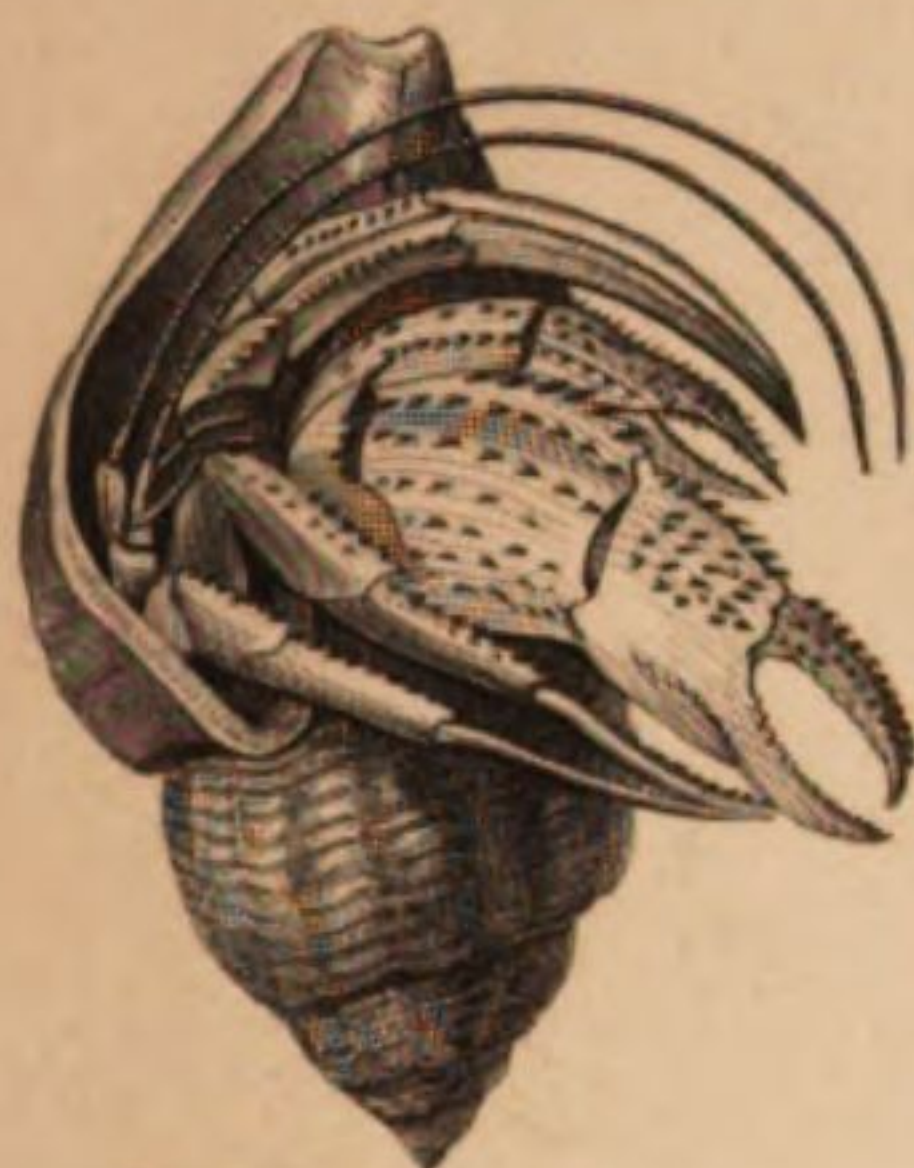
2



Phyllosoma clavicornis

Fam. II. MACROURA

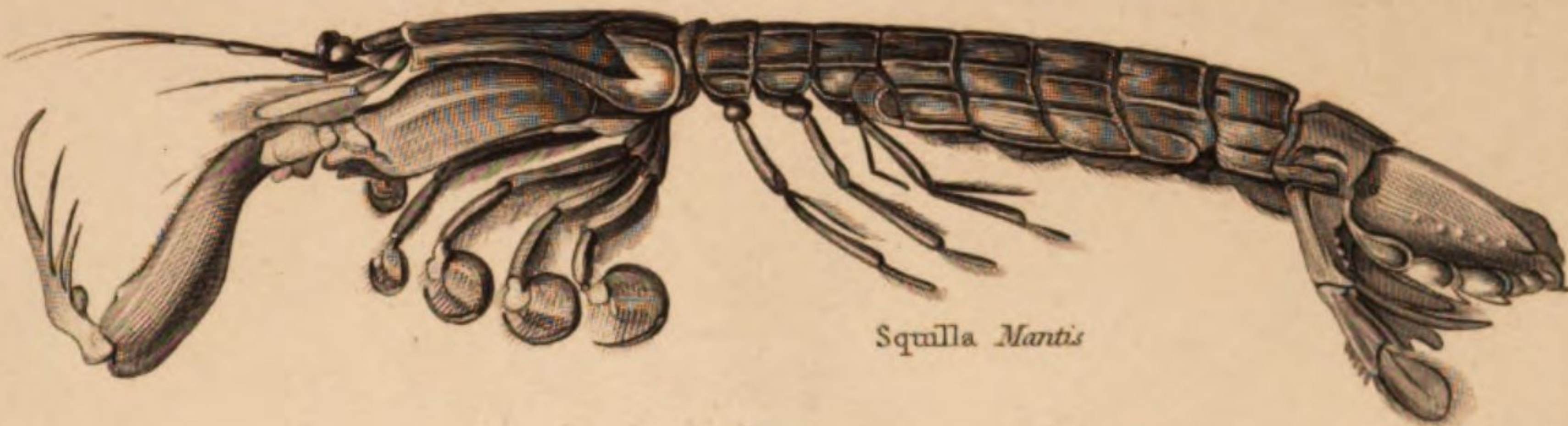
3



Pagurus Bernardus

Fam. III. STOMATOPODA

4



Squilla Mantis

Fam. V. BRACHIOPODA

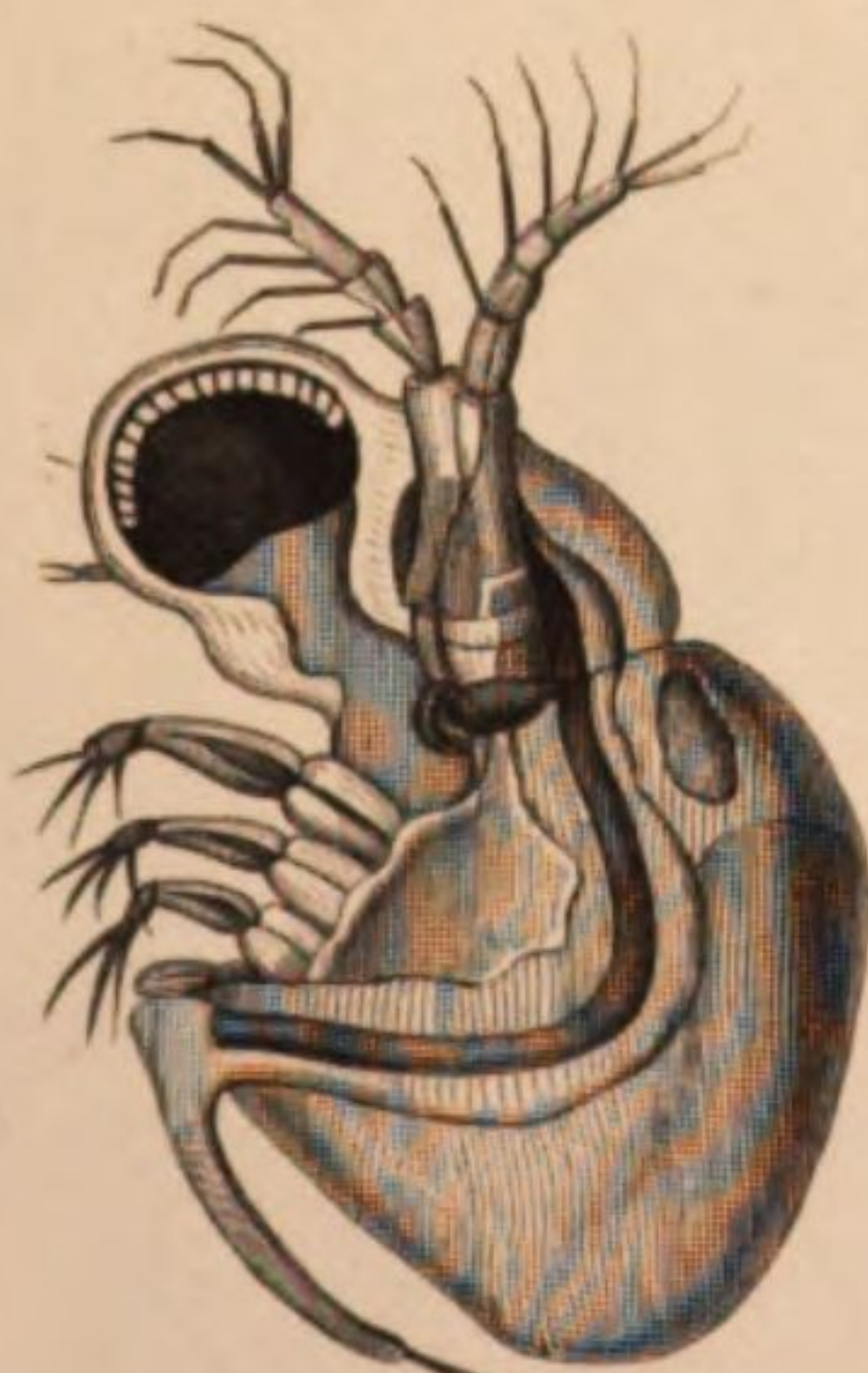
Fam. III. ISOPODA.

5



Cymodoce Lamarckii

7



Polyphemus stagnalis

9



Lepidurus prolongus

8



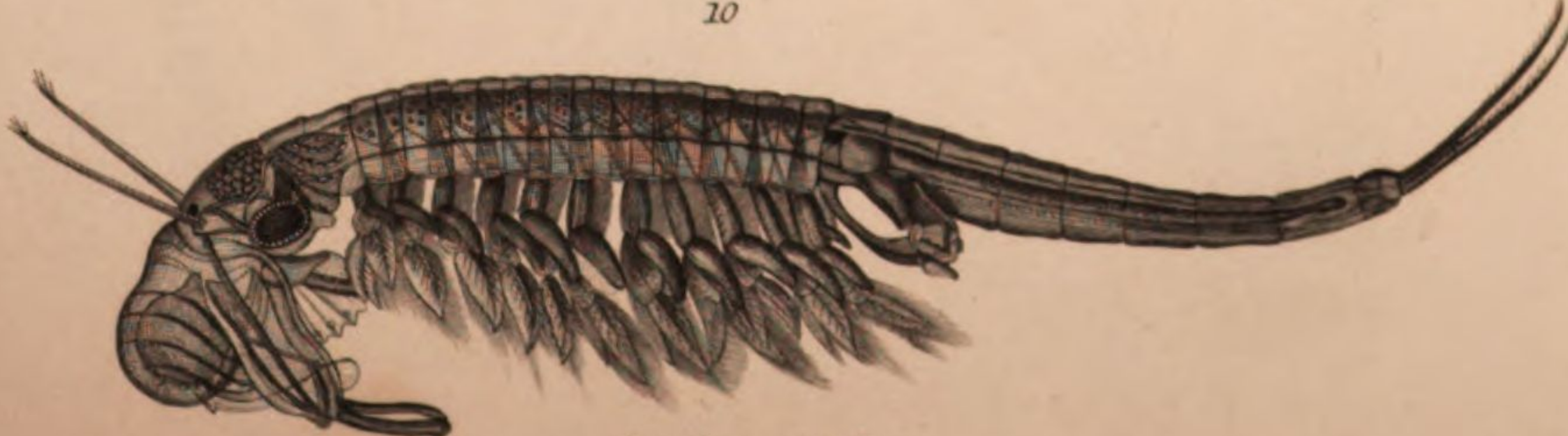
Dephnia Pulex

6



Porcellus asellus

10



Brachypus stagnalis

J.W. Lowry, Sculp.

ARACHNIDÆ.

Family I. THYSANOURA.



Forbicina vittata.

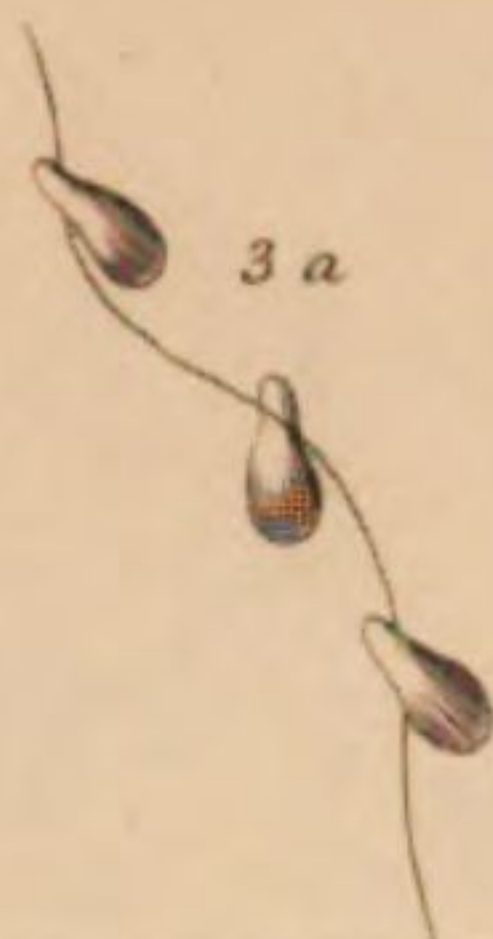
Family II. PARASITICA.



Ricinus pavonis.

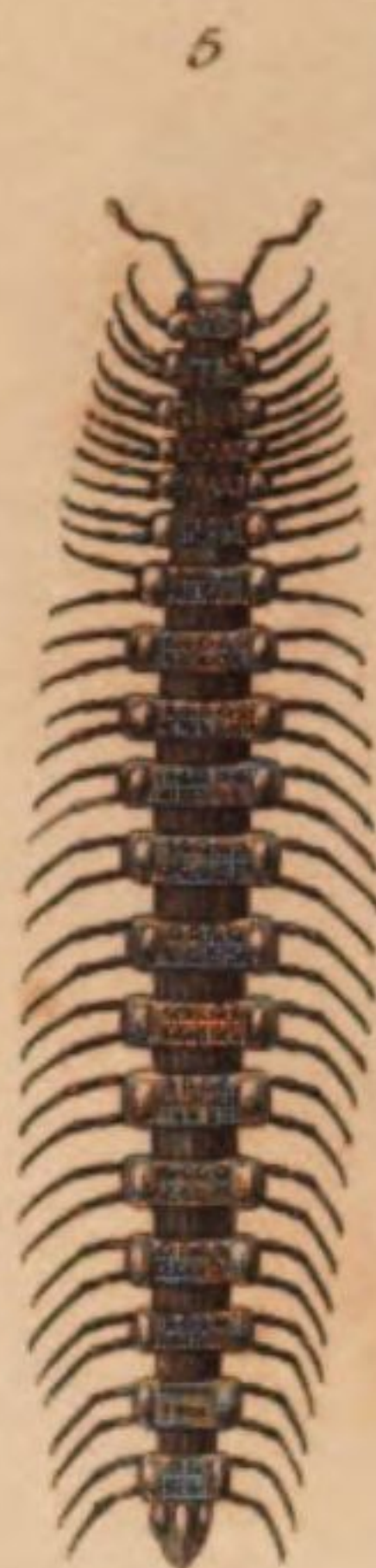


Pediculus humanus.



Podura villosa.

Family III. MYRIAPODA.



Polydesma complanata.



Lithobia vulgaris.



Glomeris zonatus.



Julus sabulosus.

Family IV. ACARI.



Smaridia fringillaris.



10 a



Siro rubens.

Family V. ARANEÆ.



Aranea extensa.



Aranea lobata.



Mygale avicularis.



Scorpio rufescens.

Family VI. CHELIFERÆ.

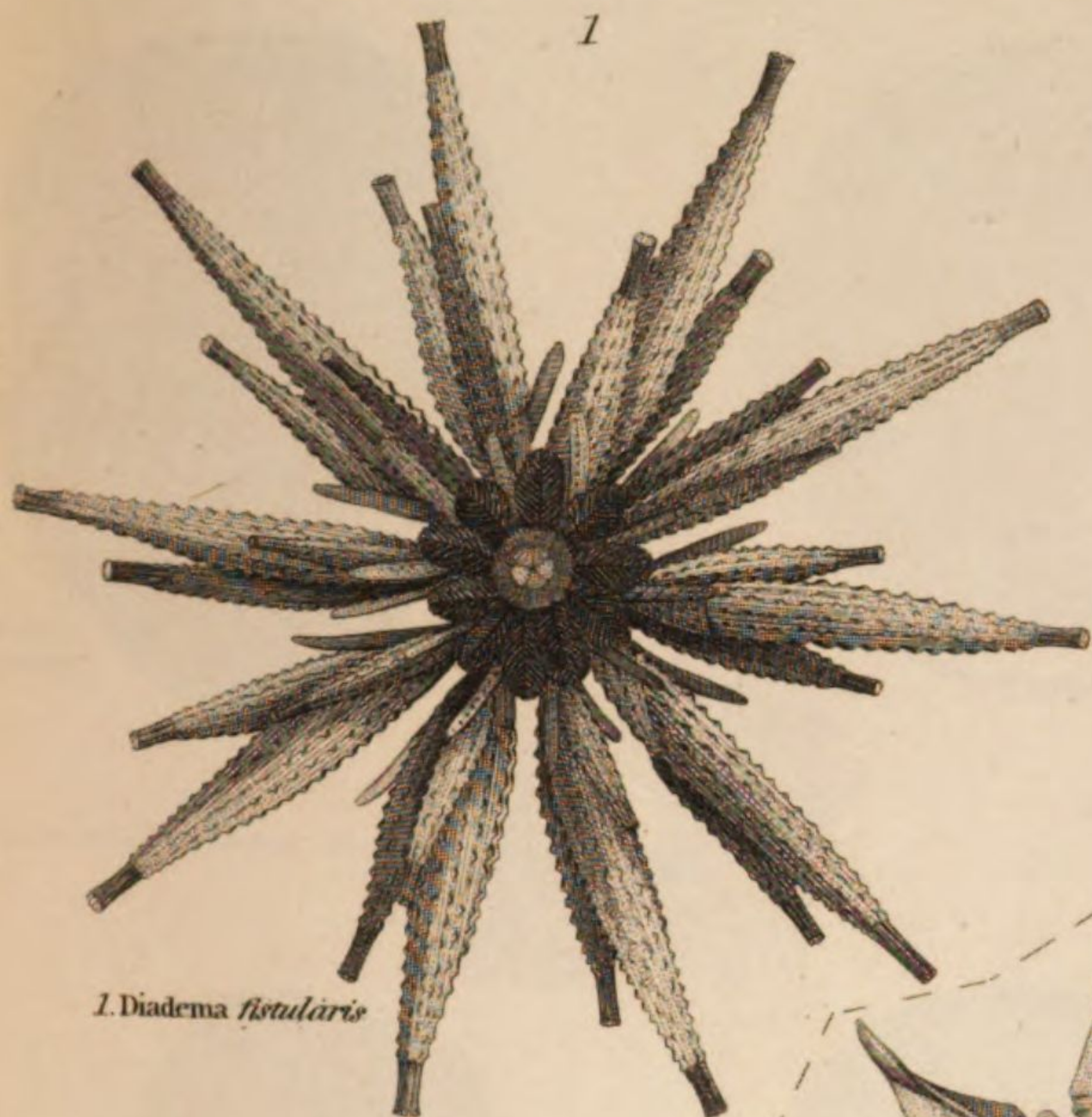


Chelifer cancriformis.

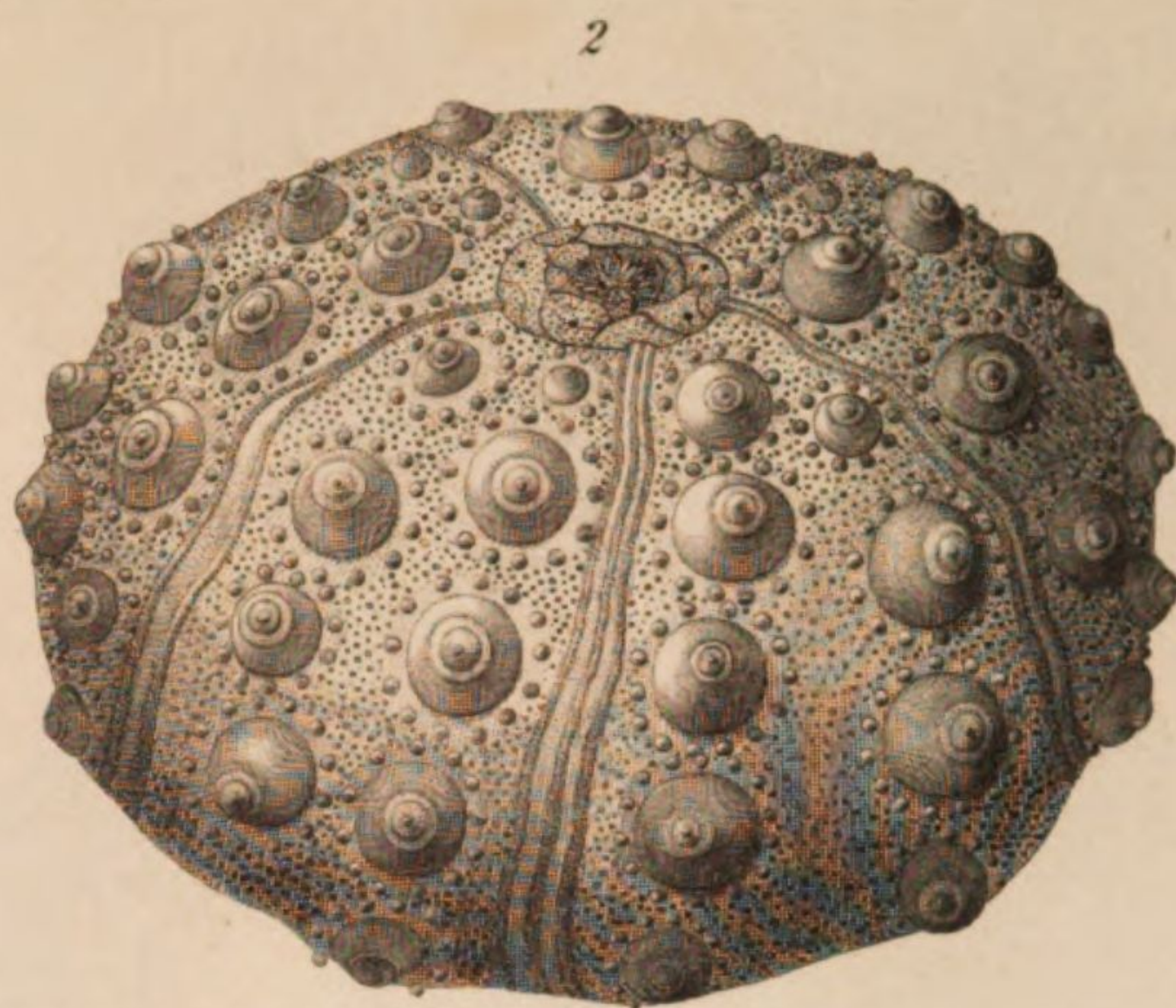
J.W. Lowry sculp.

ECHINIDA. I.

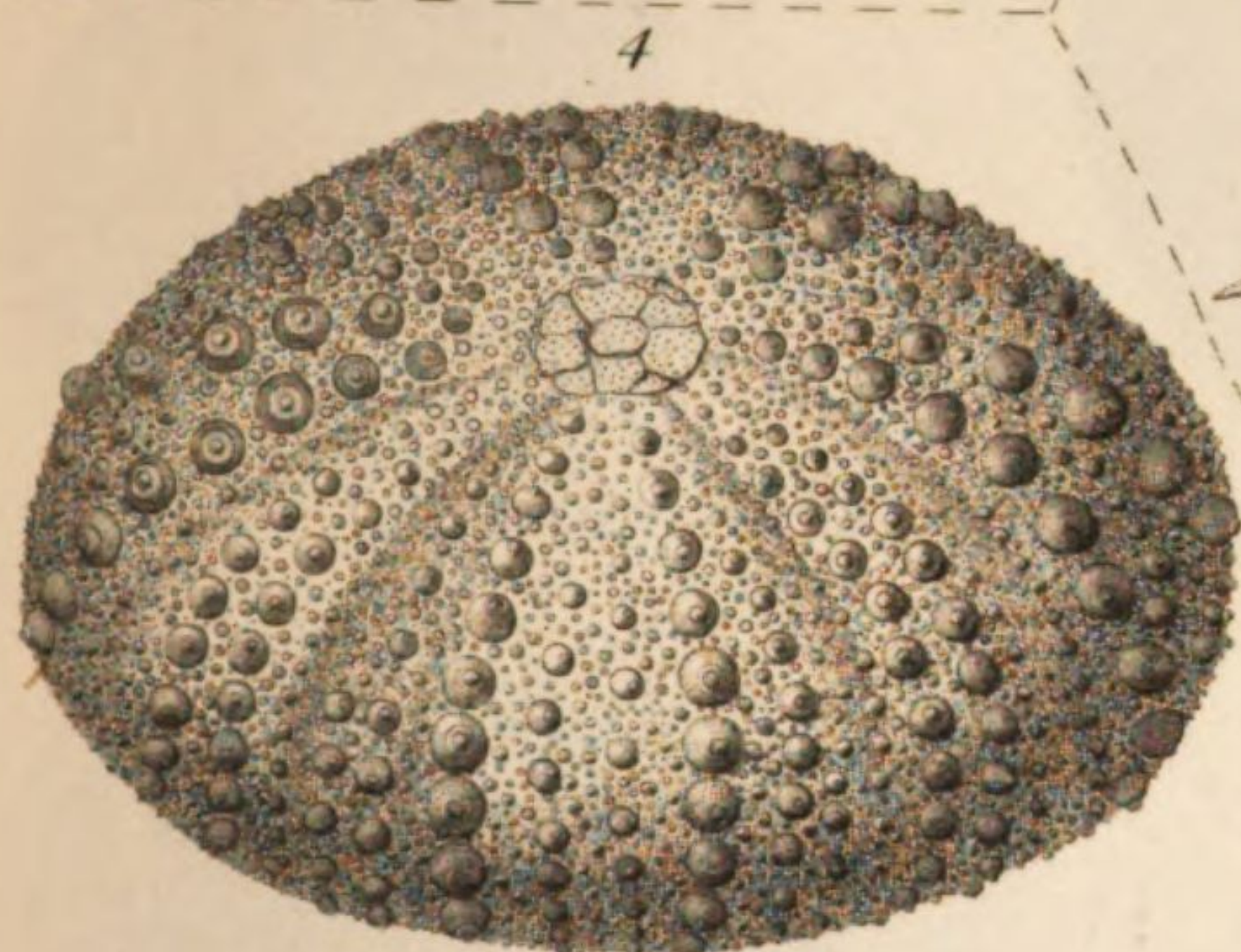
Family I. CIDARIDÆ.



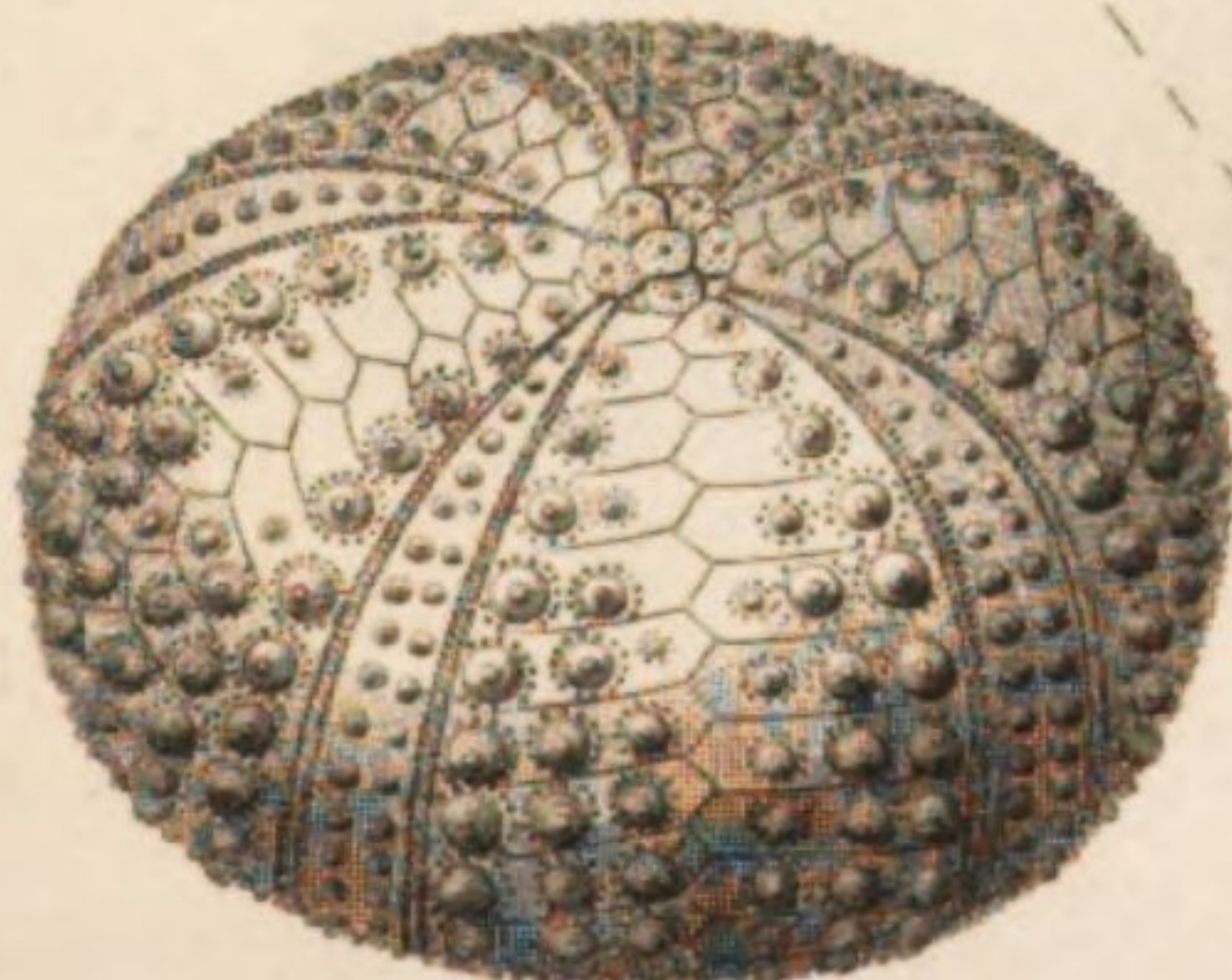
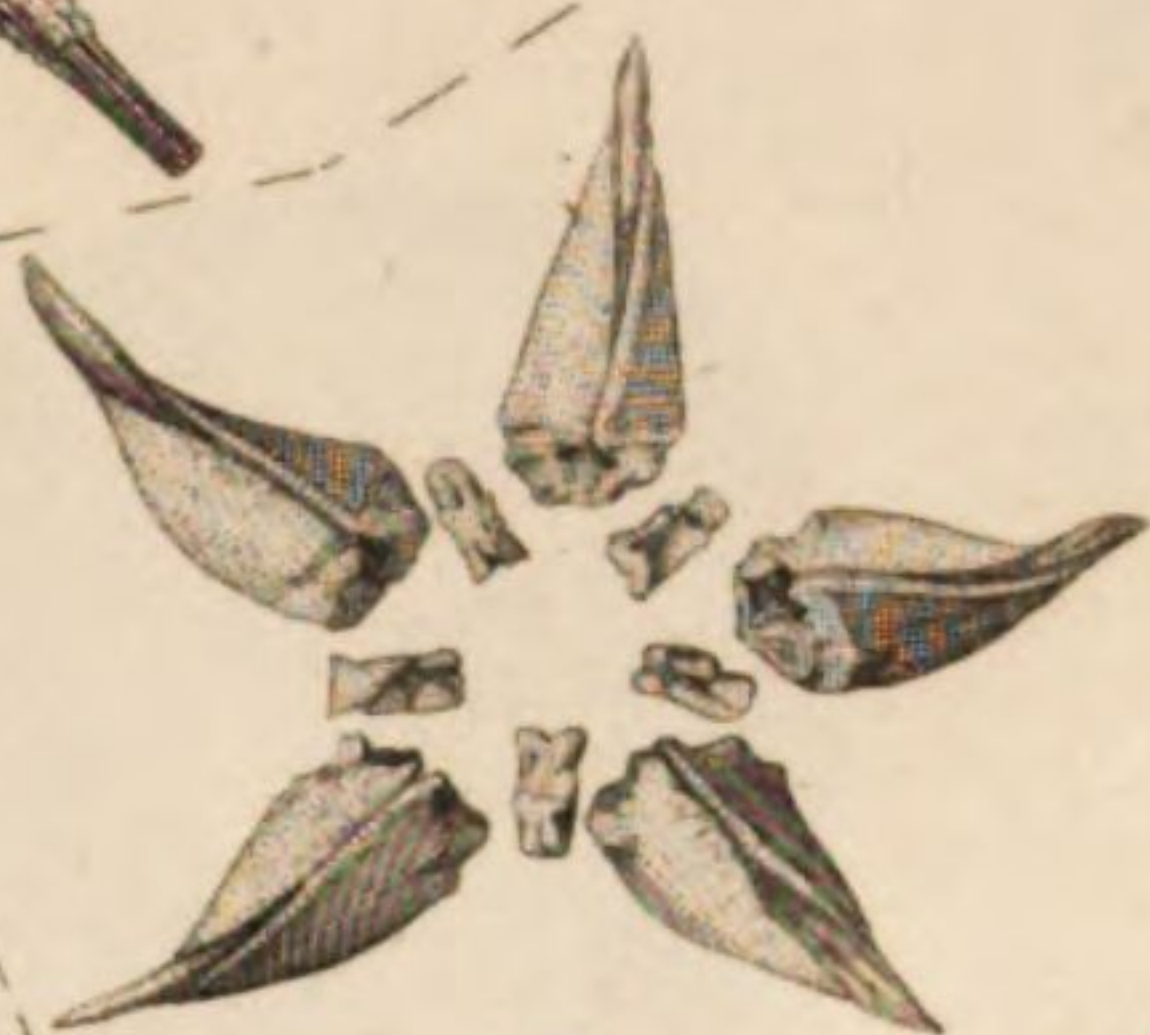
1. *Diadema fistularis*



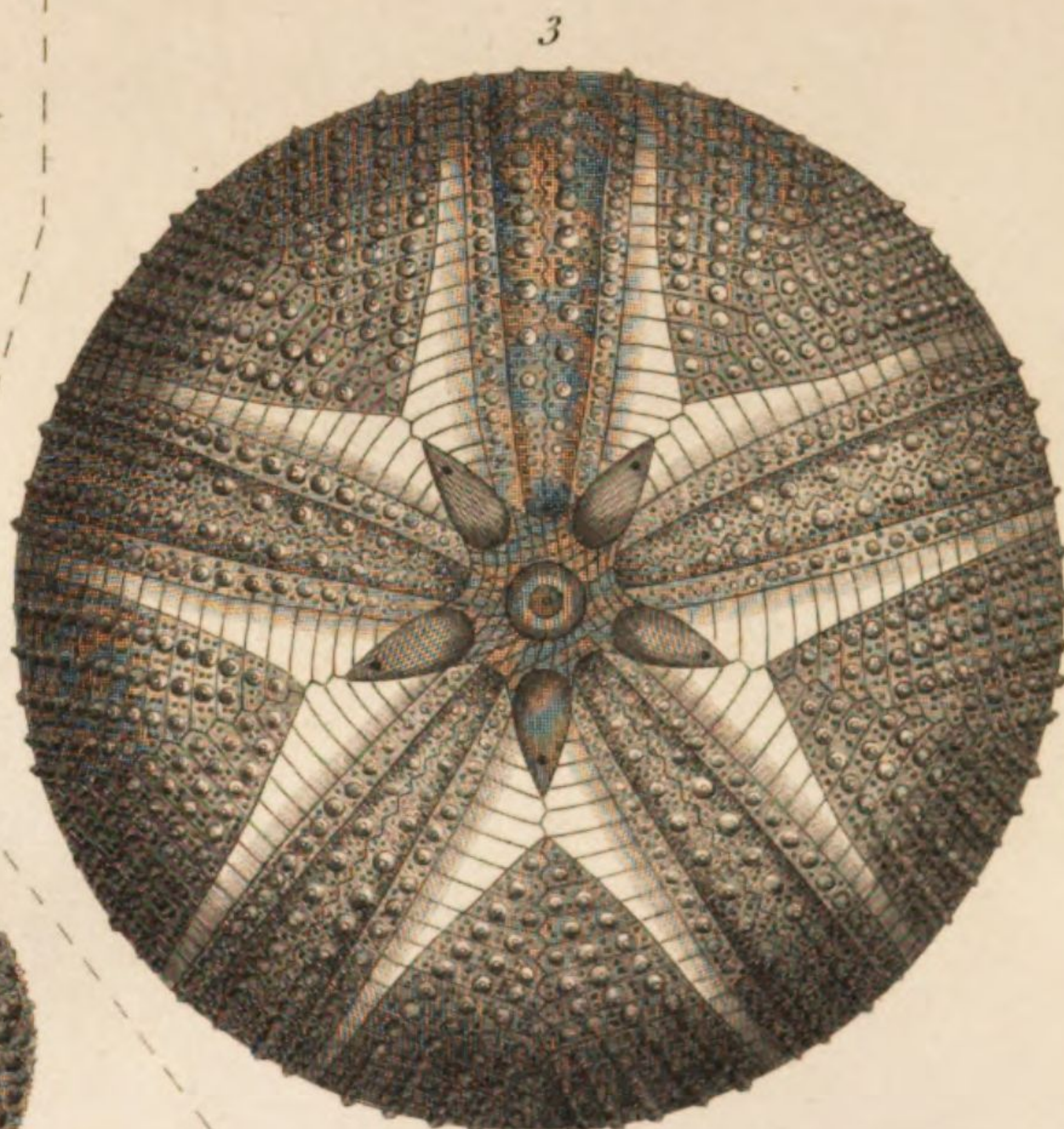
2. *Cidaris imperialis*



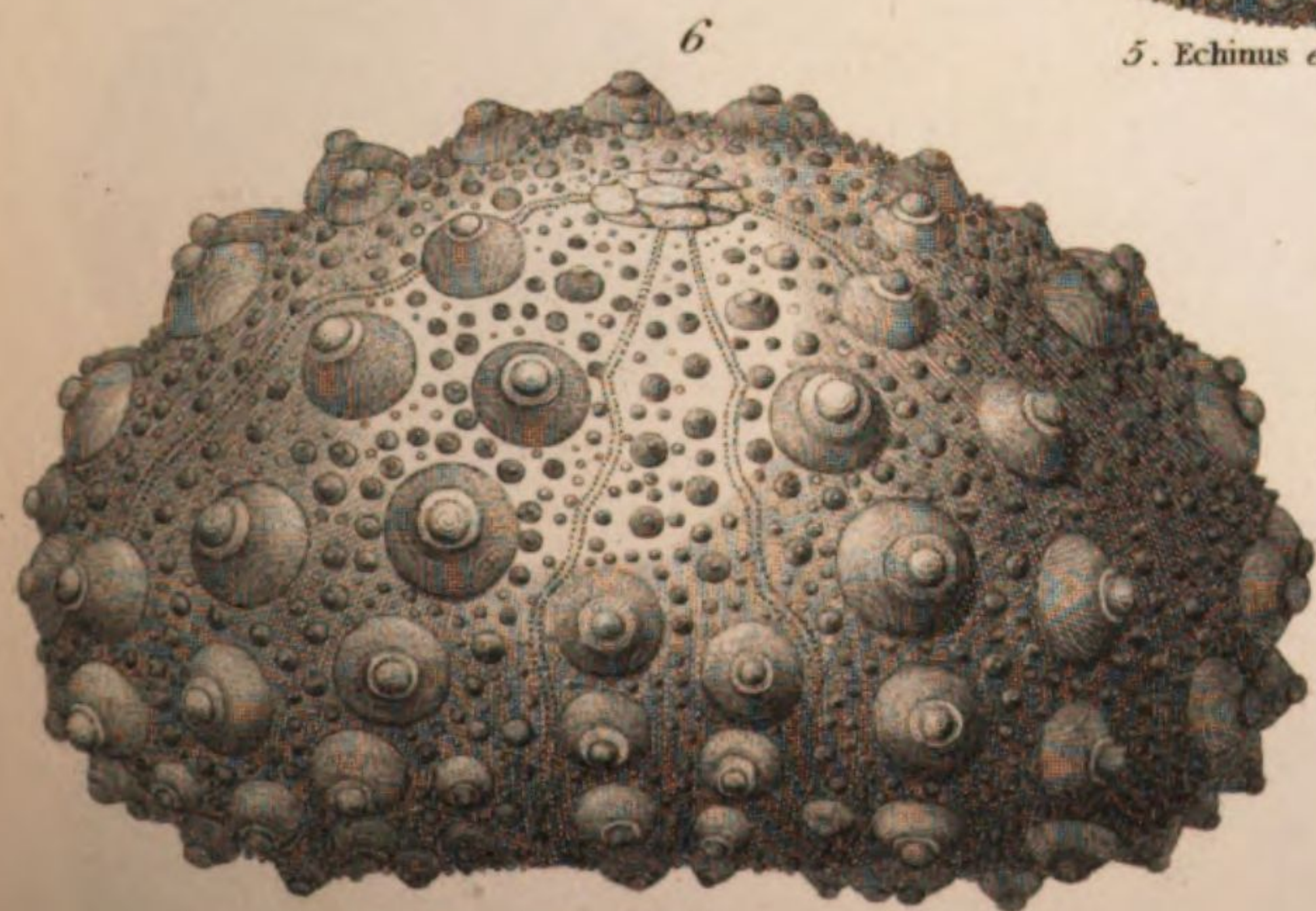
4. *Echinus miliaris*



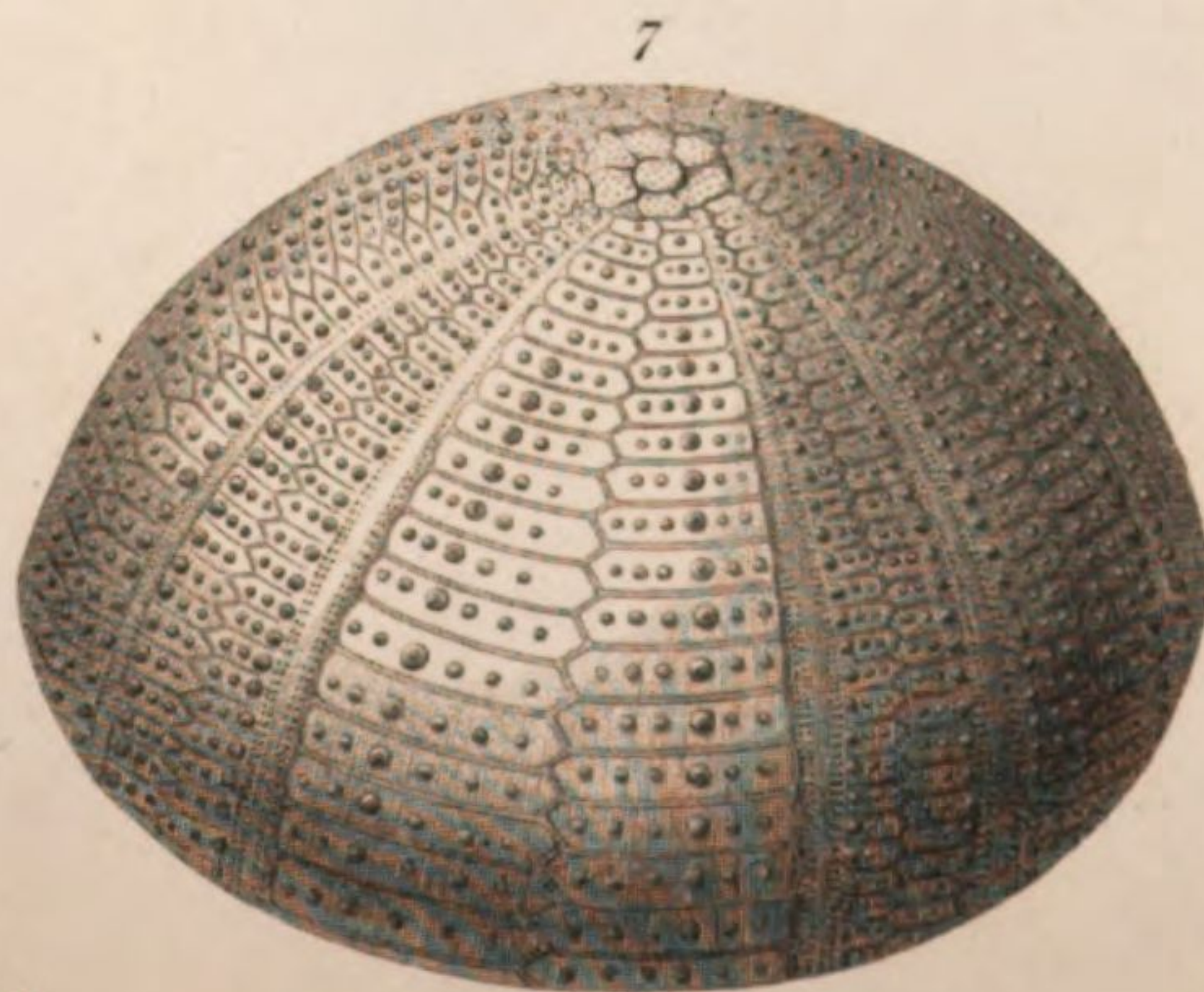
5. *Echinus elegans*



3. *Astropyga radiata*



6. *Echinometra Mammillatus*

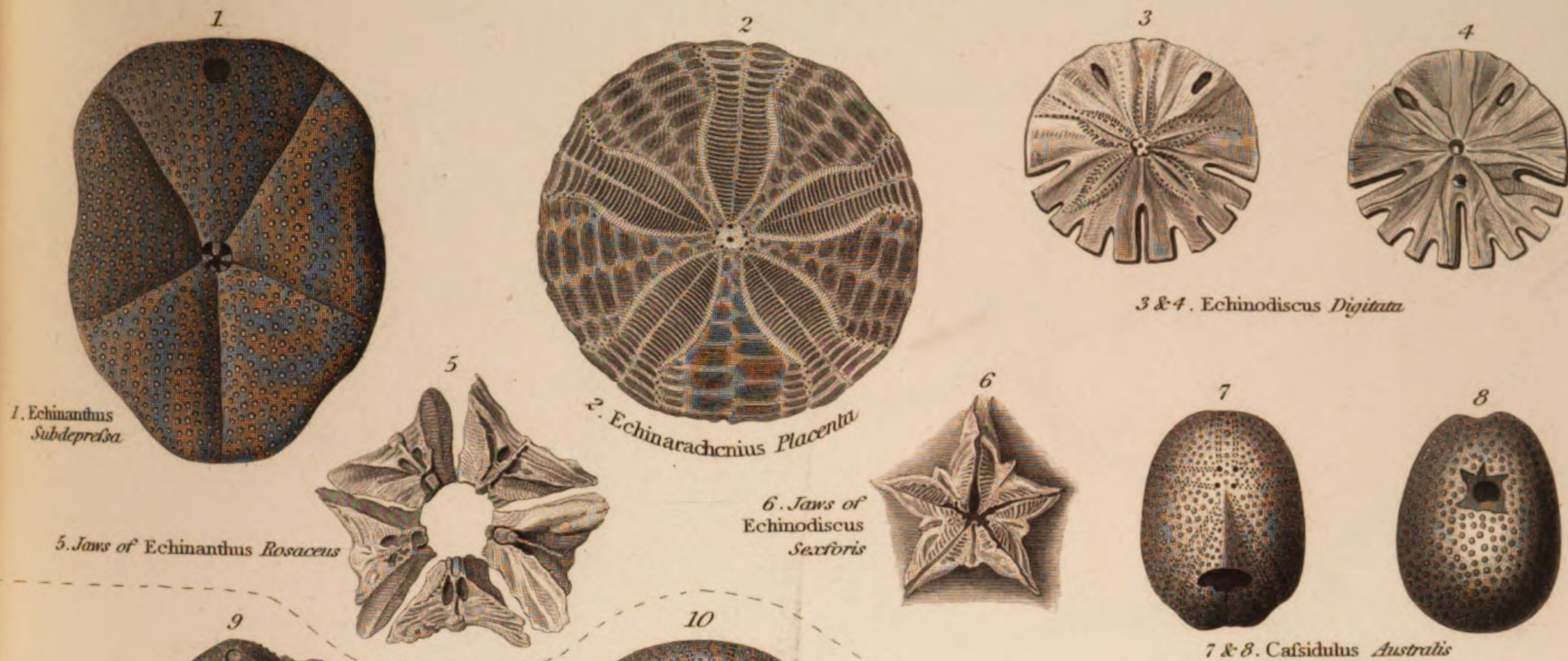


7. *Echinus Sardicus*

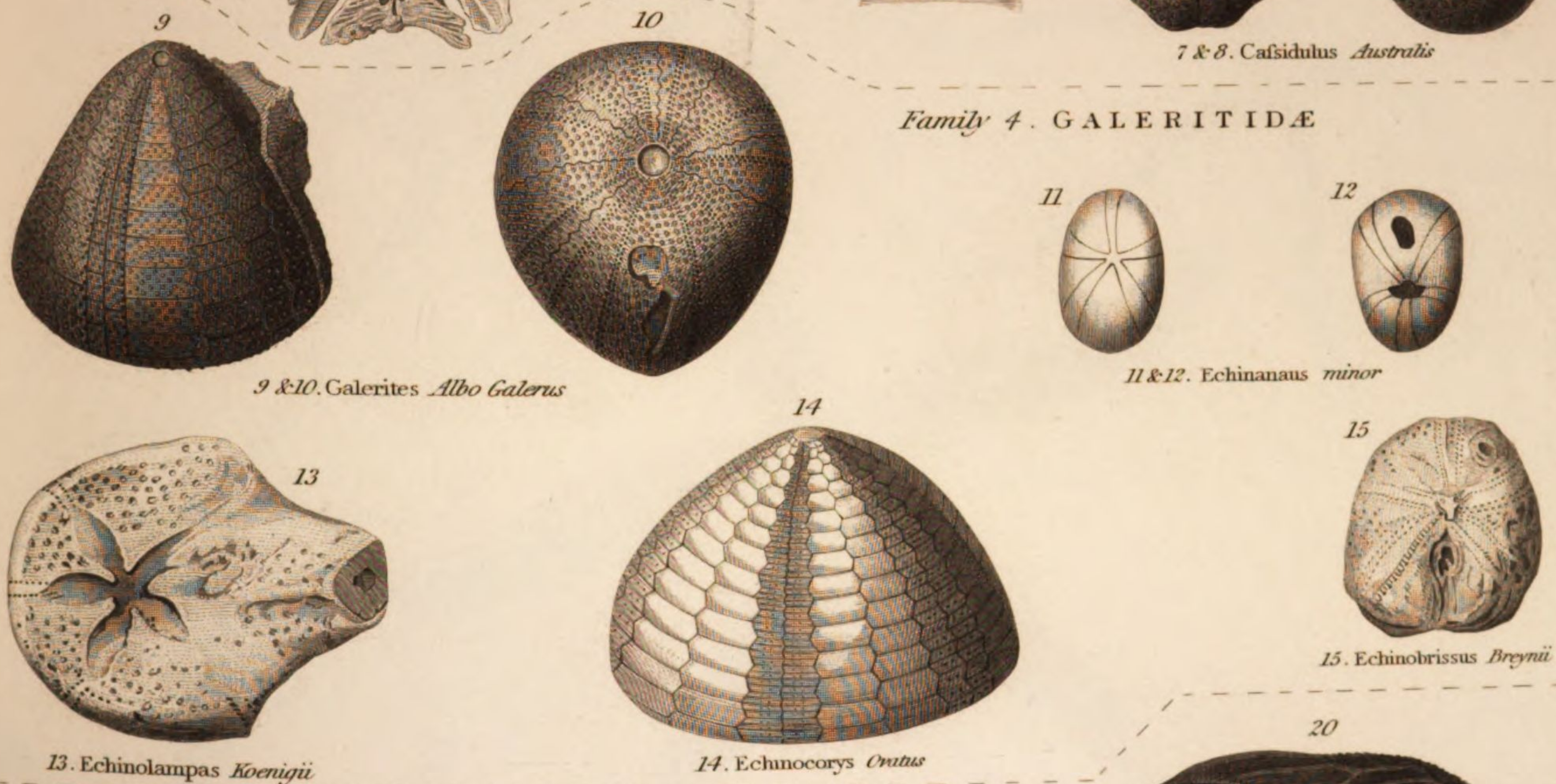
Family II. ECHINIDÆ.

ECHINIDA. 2

Family 3. SCUTELLIDÆ



Family 4. GALERITIDÆ

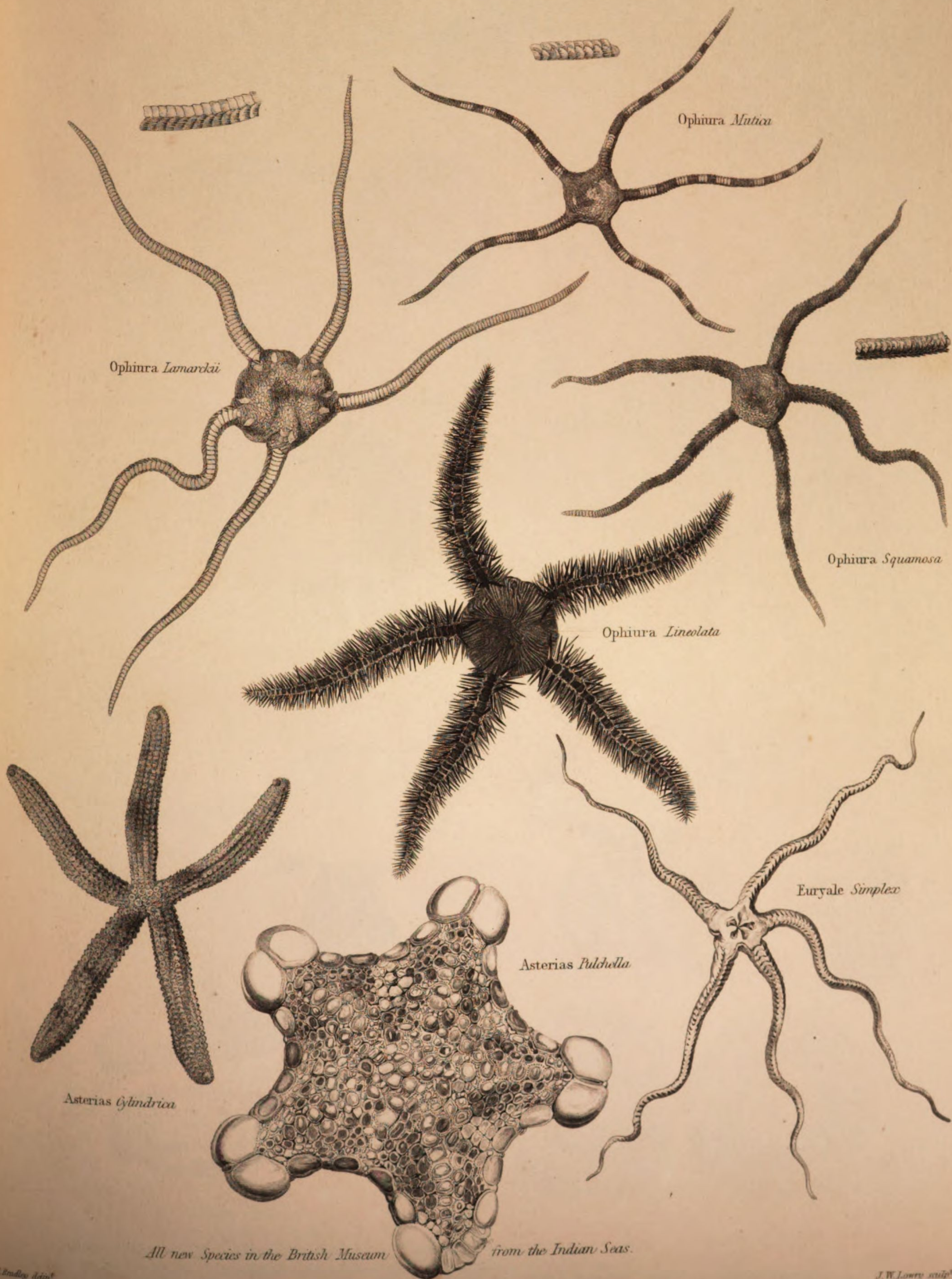


Fam. 5. SPATANGIDÆ



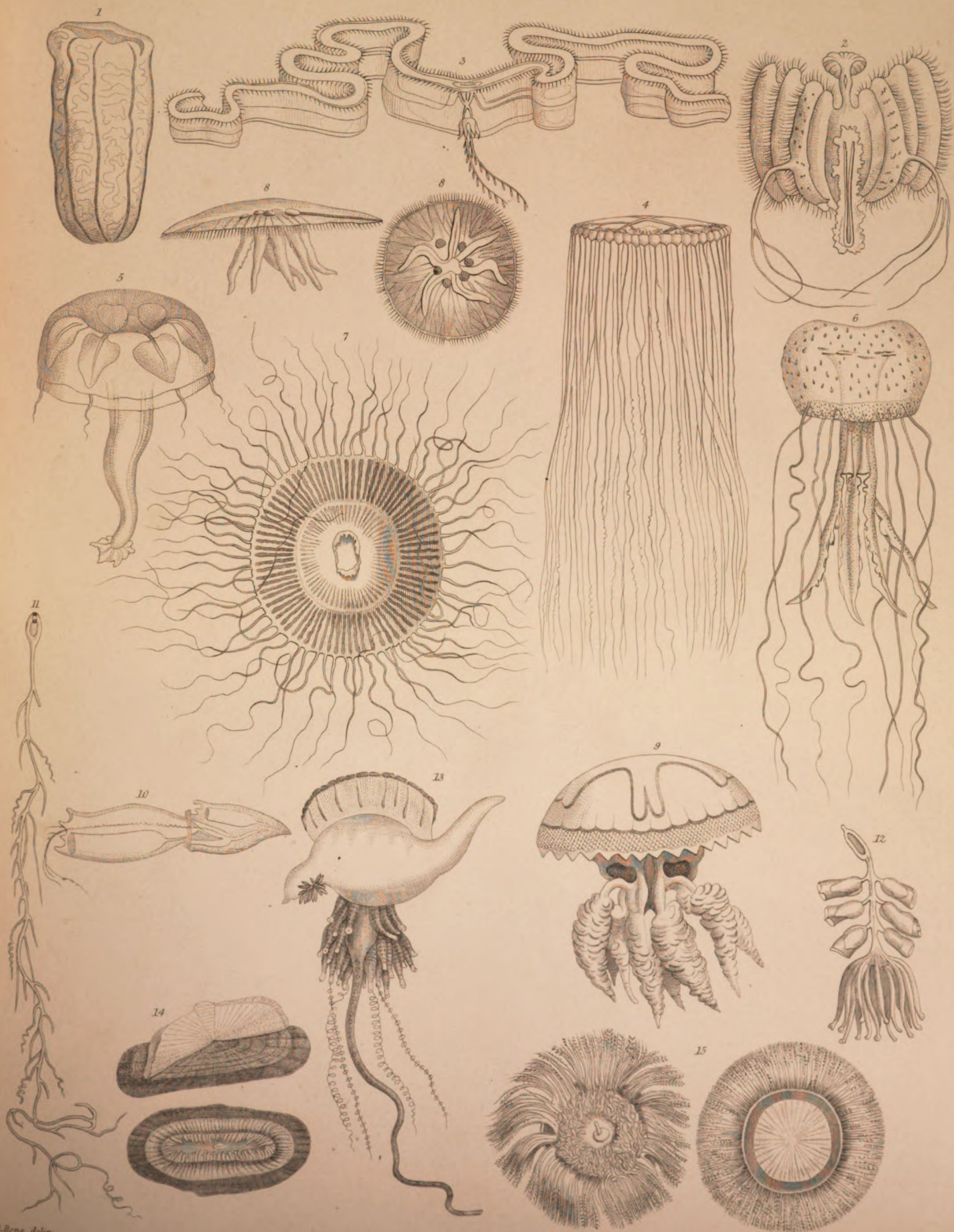
RADIATA.

Class STERILIDA



All new Species in the British Museum from the Indian Seas.

ACALEPHÆ.



C. A. Bone delin.

J. W. Leary sculp.

1. *Beroë macrostoma*. 2. *Callianira triploptera*. 3. *Cestum Veneris*. 4. *Berenice rosea*. 5. *Geryonia hexaphylla*.
 6. *Pelagia panopyra*. 7. *Equorea Fersk. (labeled as Equorea Fersk. in the caption)*. 8. *Aurelia aurita*. 9. *Rhizostoma Cuvieri*. 10. *Diphyia*.
 11. *Rhizophysa planostoma*. 12. *Physophora disticha*. 13. *Physalia megalista*. 14. *Velella cyanea*. 15. *Rorippa gigantea*.

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200. 30th Apr 1964

INFUSORIA.

Order: Polygastrica.

PLATE 1

Fam. Anentera-Enterodela.



Genera & Species.

1. Monas, Grepusculum.
2. Monas, Guttula.
3. Uvella, Virescens.
4. Doreococcus, Globulus.
5. Chilomonas, Volvox.
6. Bodo, Socialis.
7. Cryptomonas, Ovata.
8. Trachelomonas, Volvocina.
9. Gyges, Granulum.
10. Syncrypta, Volvox.

11. Sphaerocysta, Volvox.
12. Volvox, Globator.
13. Vibrio, Subtilis.
14. Spirodiscus, Fulvus.
15. Closterium, Lunula.
16. Astasia, Hematodes.
17. Euglena, Viridis.
18. Distigma, Tenax.
19. Epipyxis, Utriculus.
20. Dinobryon, Sertularia.

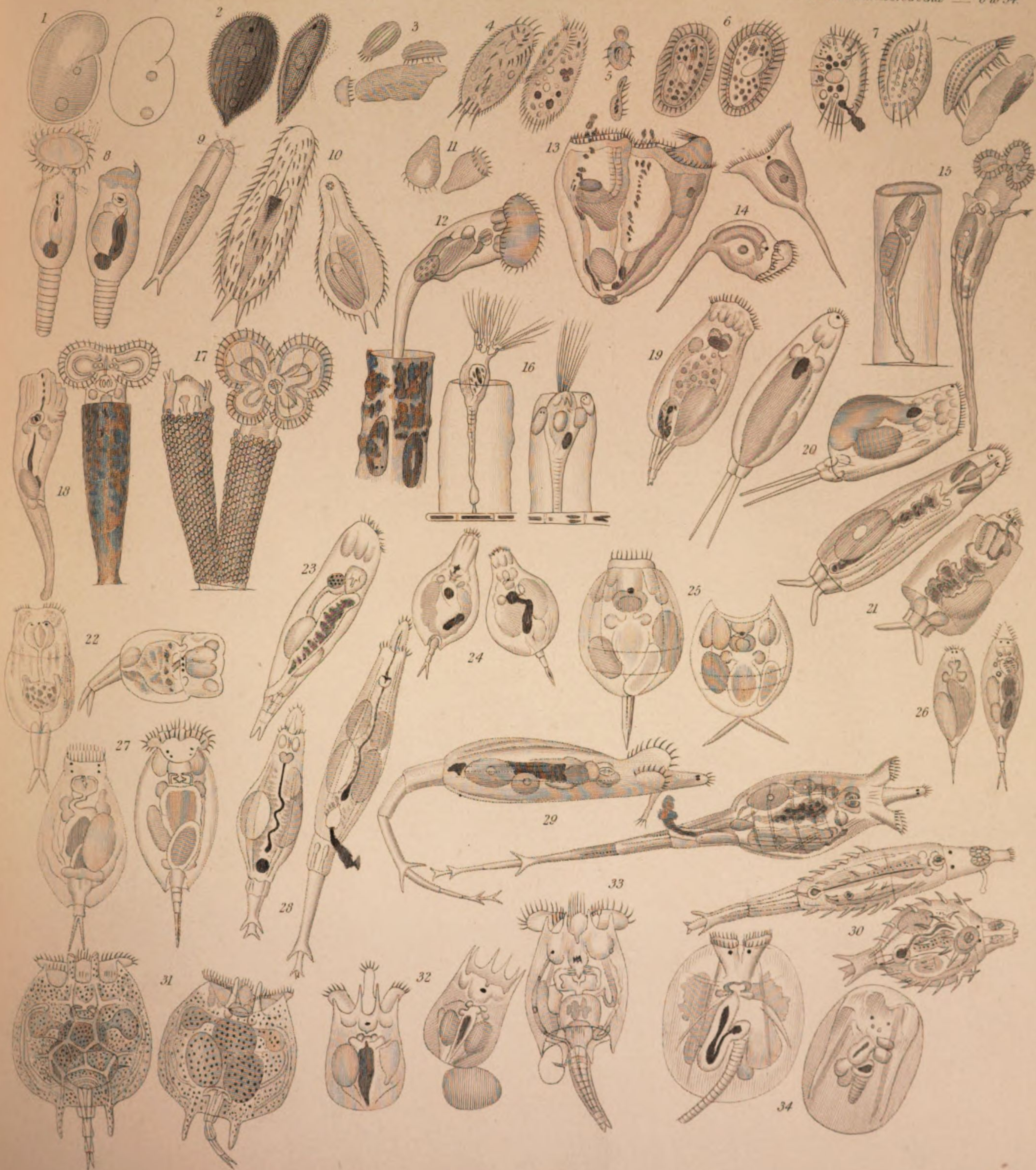
21. Amoeba, Diffuens.
22. Diffugia, Proteiformis.
23. Cyphidium, Aureolum.
24. Desmidiun, Swartzii.
25. Xanthidium, Fasciculatum.
26. Micrasterias, Boryana.
27. Euastrum, Aculeatum.
28. Navicularia, Pheniceventum.
29. Bacillaria, Vulgaris.
30. Isthmia, Enervis.

31. Synedra, Ulna.
32. Echinella, Splendida.
33. Syncychia, Salpa.
34. Nannema, Dilwynii.
35. Schizonema, Agardhi.
36. Cyclidium, Glaucoma.
37. Chetomonas, Constricta.
38. Chetophylla, Armata.
39. Chetoglena, Volvocina.
40. Peridinium, Tripos.

41. Glenodinium, Tabulatum.
42. Stentor, Mulleri.
43. Urocentrum, Turbo.
44. Vorticella, Microstoma.
45. Zoothamnium, Arbuscula.
46. Ophrydium, Versatile.
47. Tintinnus, Inquilinus.
48. Vaginicola, Crystallina.
49. Enchelys, Pupa.
50. Lachrymaria, Proteus.

51. Leucophris, Patula.
52. Prorodon, Teres.
53. Coleps, Incurrens.
54. Trachelius, Ovum.
55. Phialina, Vermicularis.
56. Chilodon, Cucullulus.
57. Nassula, Elegans.
58. Trachelocerca, Olor.
59. Amphileptus, Fasciola.
60. Aspidisca, Denticulata.

C. Bone delin.



GENERA AND SPECIES.

1. Kolpoda, Ren.
2. Ophryoglena, Acuminata.
3. Oxytricha, Acuta.
4. Stylonychia, Pustulata.
5. Discocephalus, Rotatorius.
6. Chlamidodon, Minosyne.
7. Enplotes, Charon.

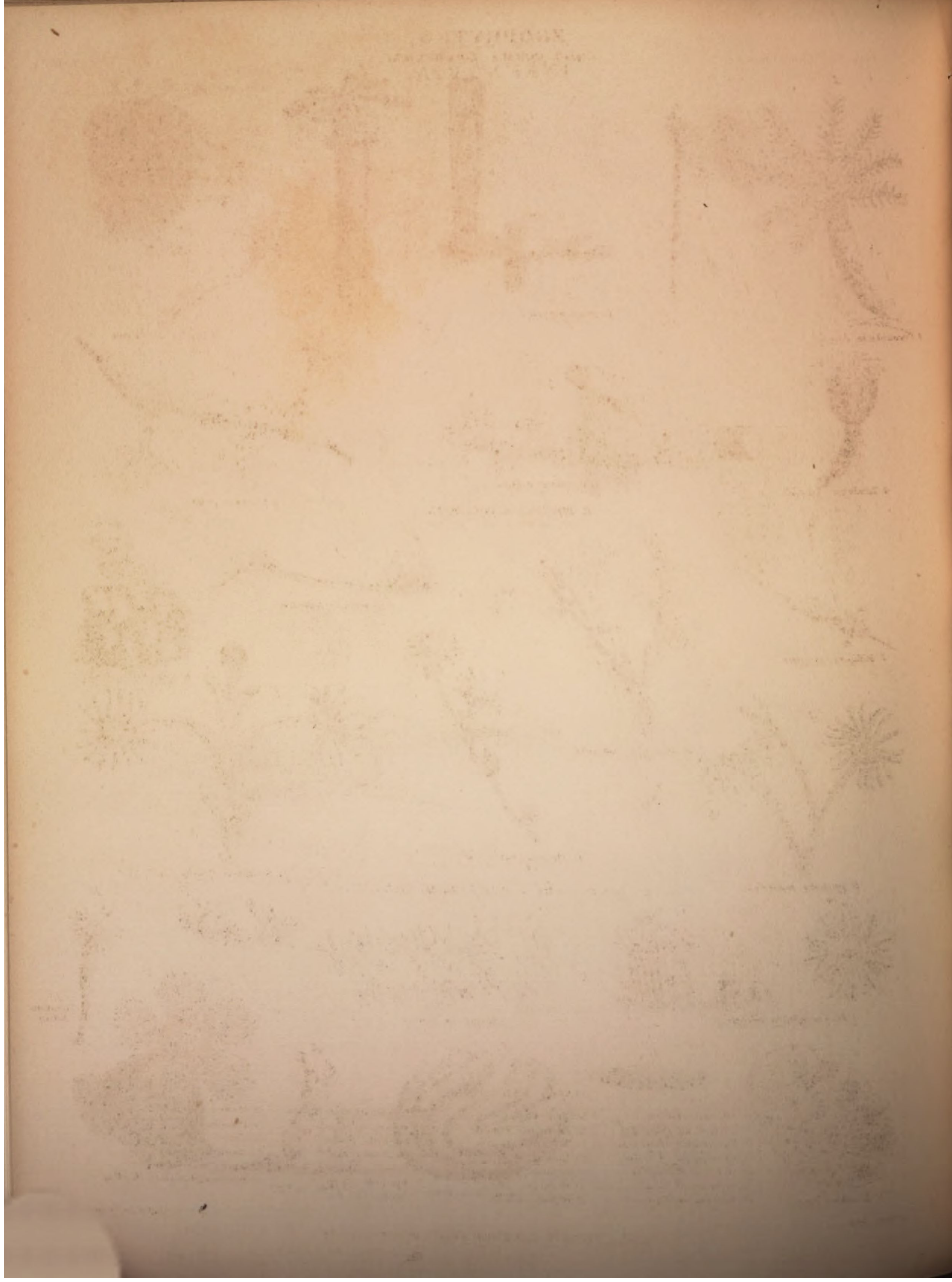
8. Ptygura, Melicerta.
9. Ichthyidium, Podura.
10. Chatonotus, Maximus.
11. Glenophora, Trochus.
12. Ecistes, Hyalinus.
13. Cyphonautes, Compressus.
14. Microcodon, Clarus.

15. Tubicolaria, Najas.
16. Floscularia, Ornata.
17. Melicerta, Ringens.
18. Limnias, Geratophylli.
19. Hydatina, Brachydactyla.
20. Furcularia, Gibba.
21. Diglena, Grandis.

22. Triphthalmus, Dorsualis.
23. Cycloglena, Lupus.
24. Lepadella, Ovalis.
25. Euchlanis, Luna.
26. Colurus, Caudatus.
27. Squamella, Oblonga.
28. Callidina, Elegans.

29. Rotifer, Macrurus.
30. Philodina, Aculeata.
31. Notoz, Quadricornis.
32. Anuraea, Squamula.
33. Brachionus, Amphiceros.
34. Pterodina, Putna.

THE
MOUNTAIN

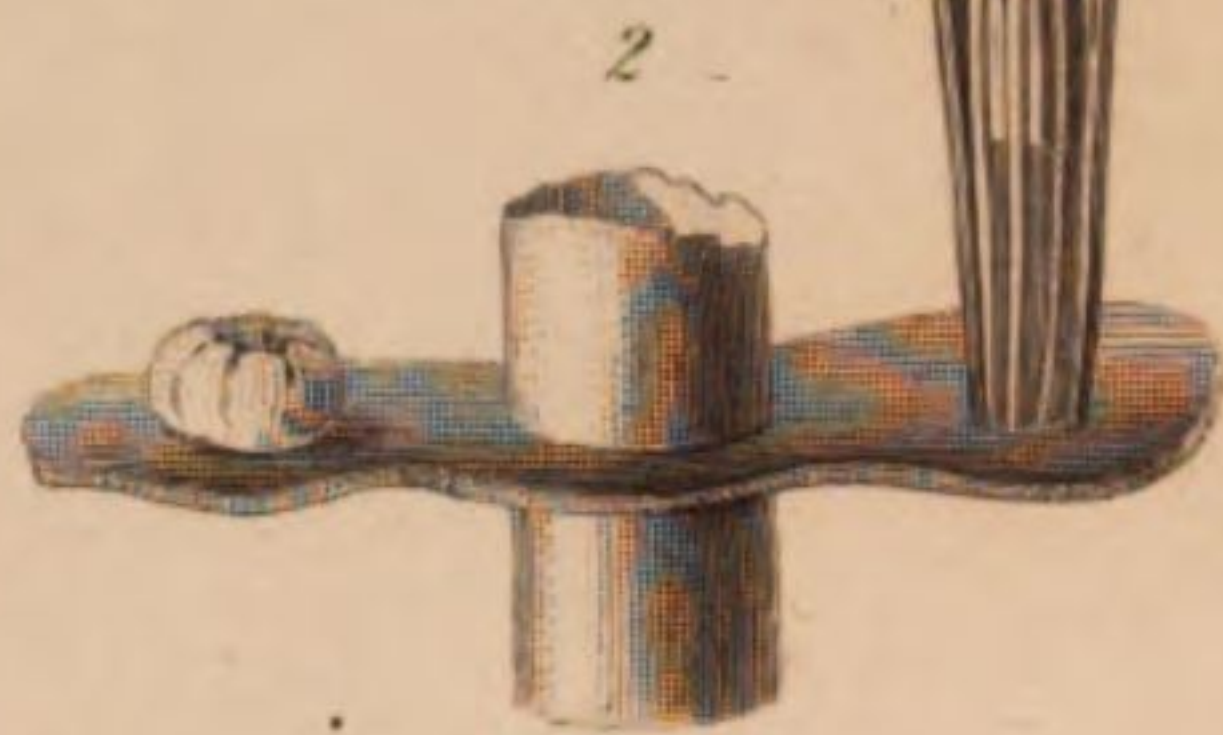


ZOOPHYTES.

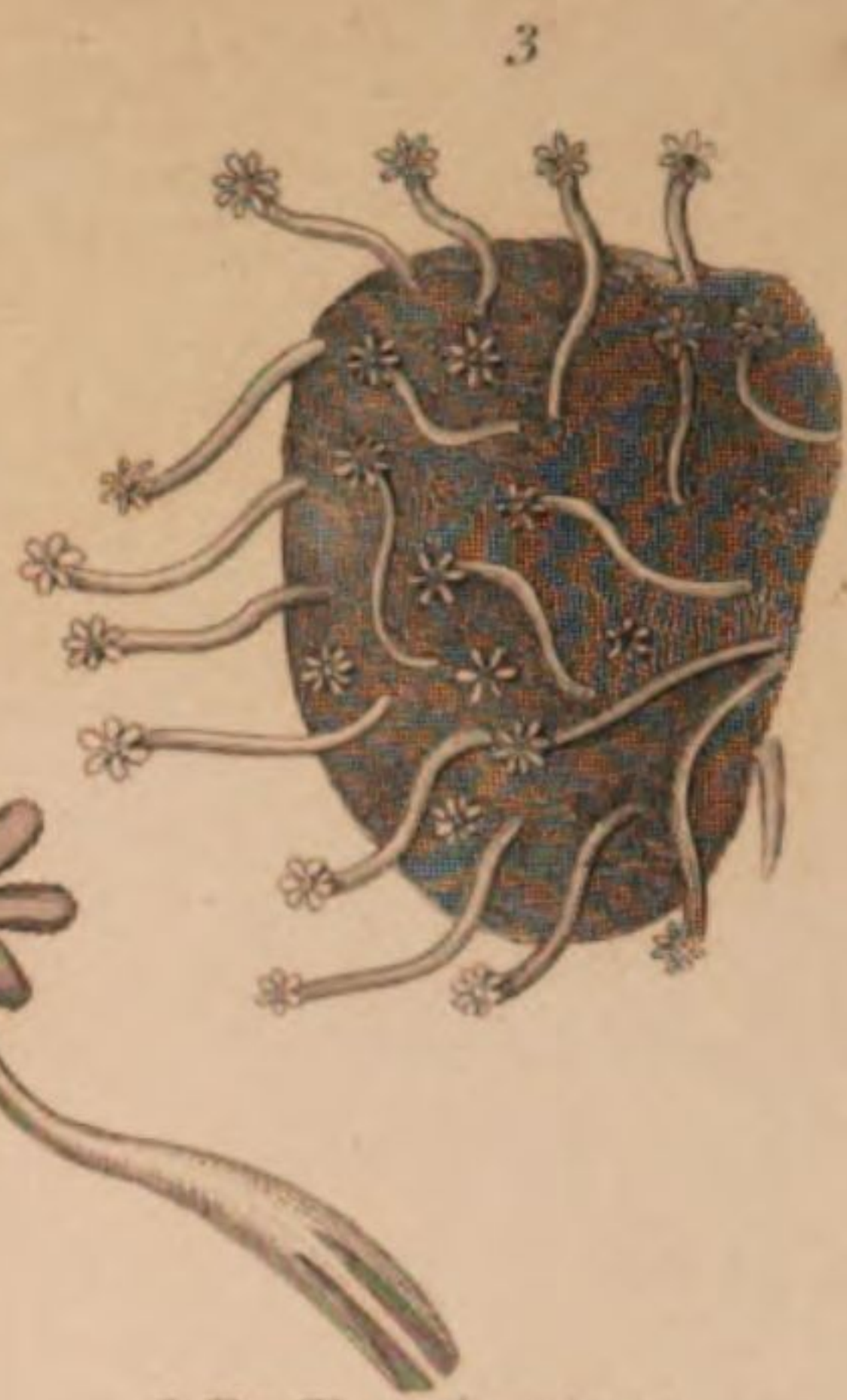
Class I. CORALS, ZOOPHYTARIA.



1. *Cornicularia rugosa*.



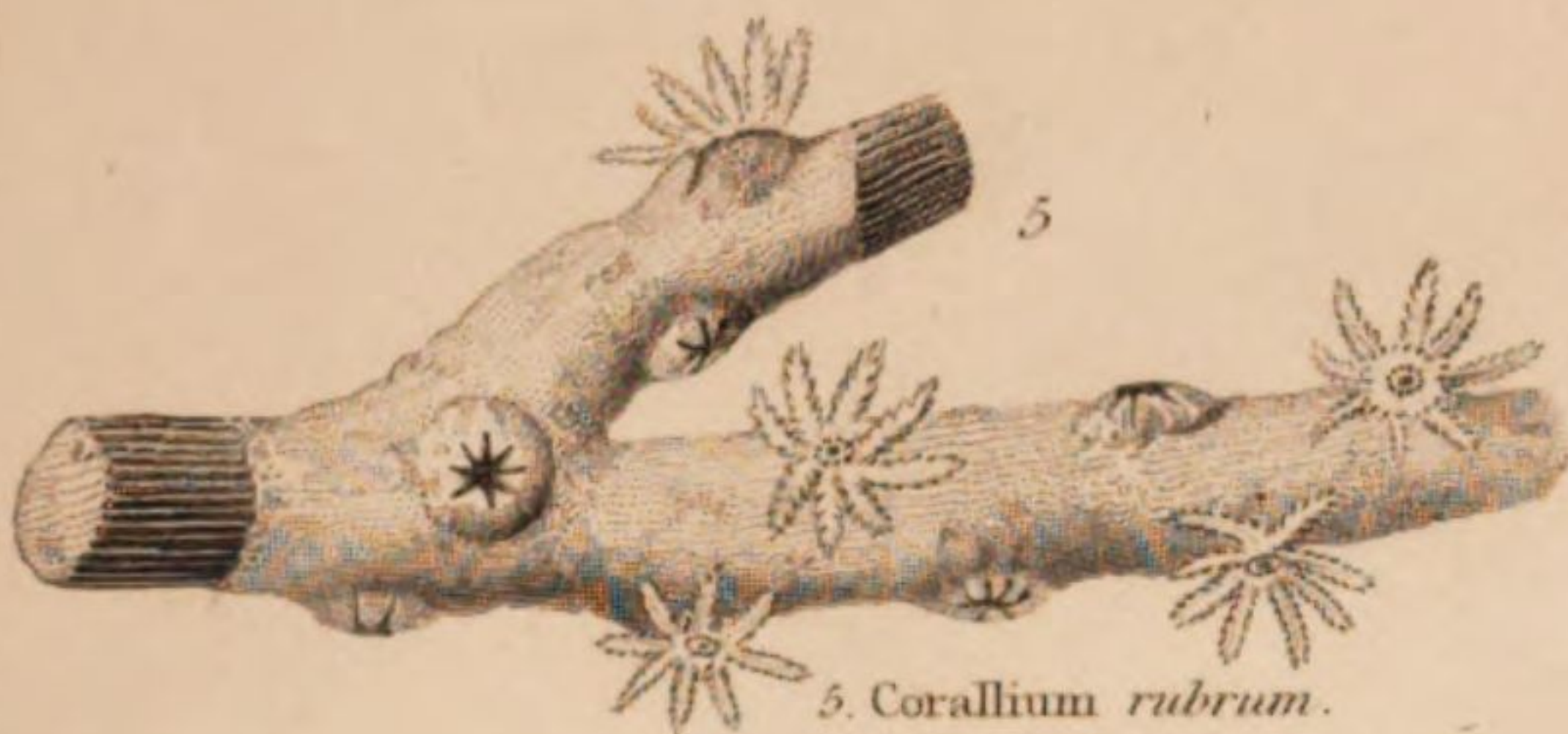
2. *Tubipora musicalis*.



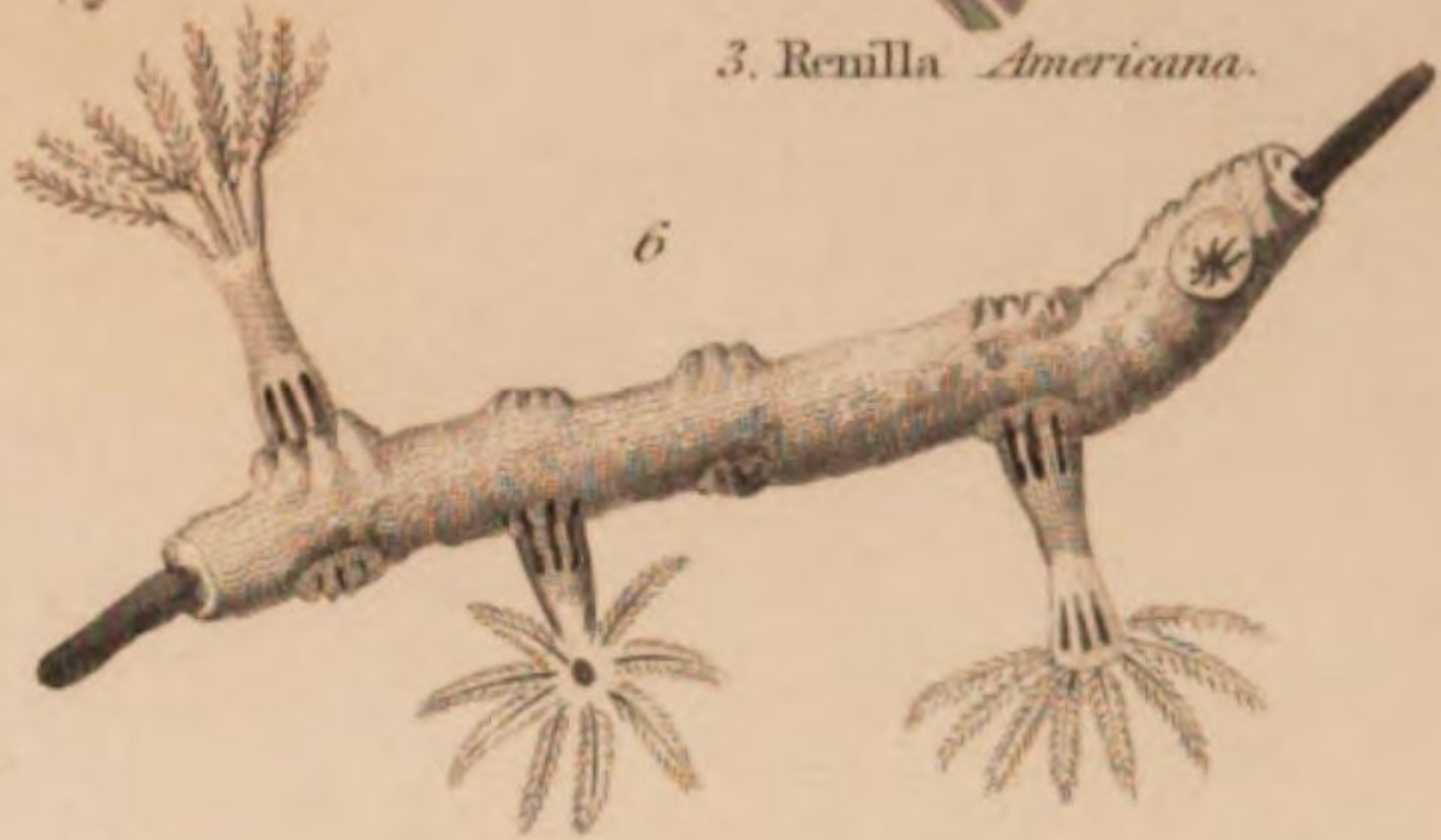
3. *Renilla Americana*.



4. *Tubularia Cytoidea*.



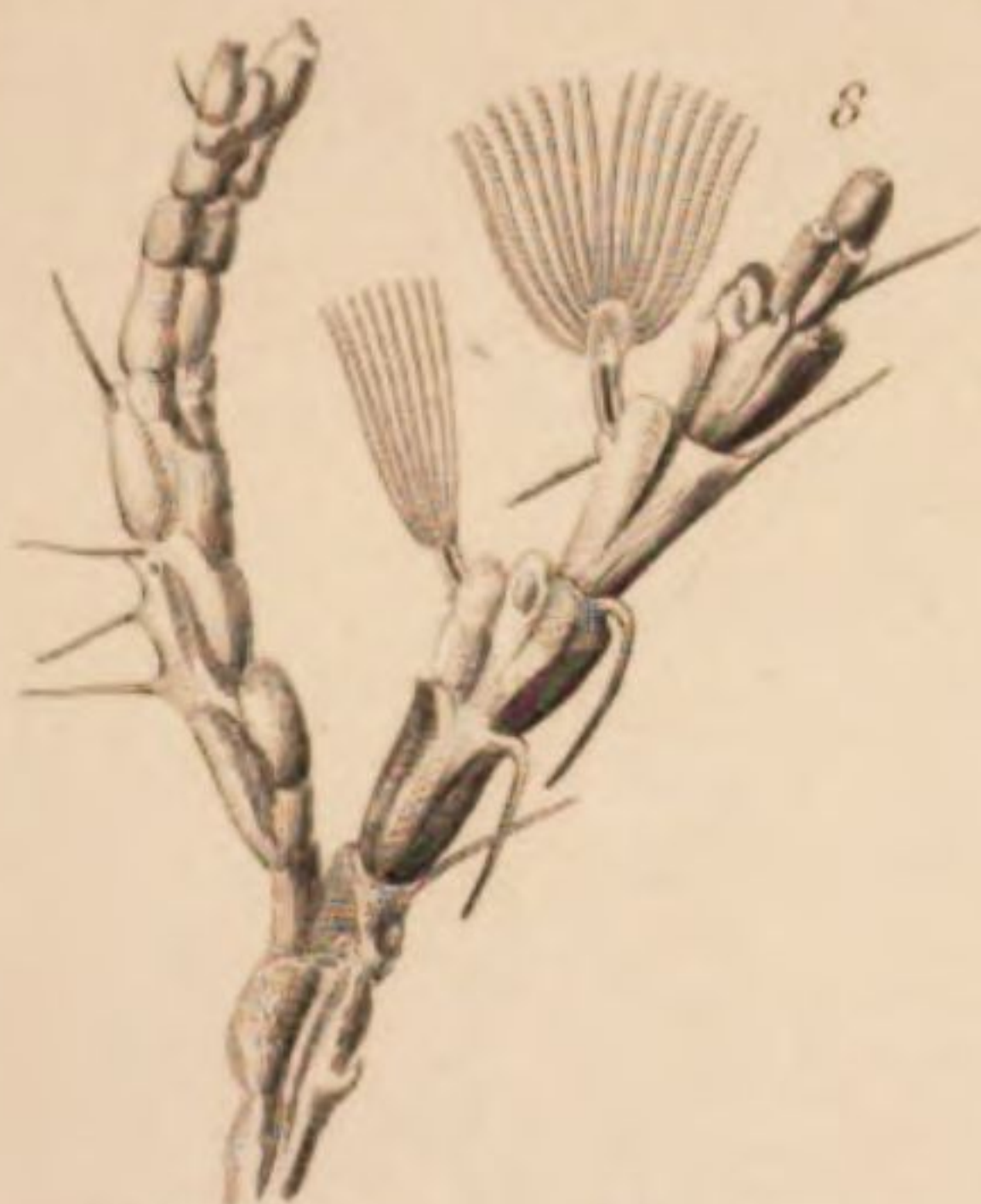
II. POLYPES & POLYPARIA



6. *Gorgonia patula*.



7. *Millipora spongitis*.



8. *Bicellaria fastigiata*.



9. *Seriataria longidera*.



10. *Cellepora hyalina*.



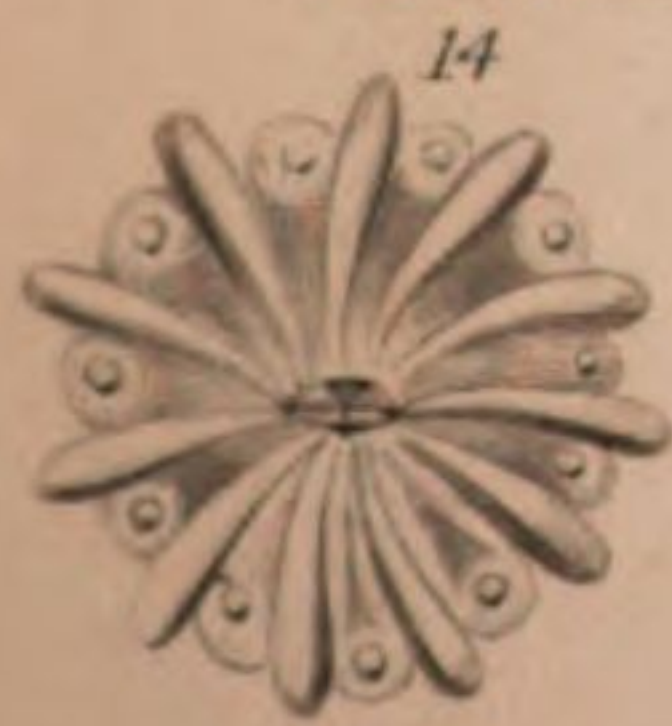
11. *Laomedea dichotoma*.



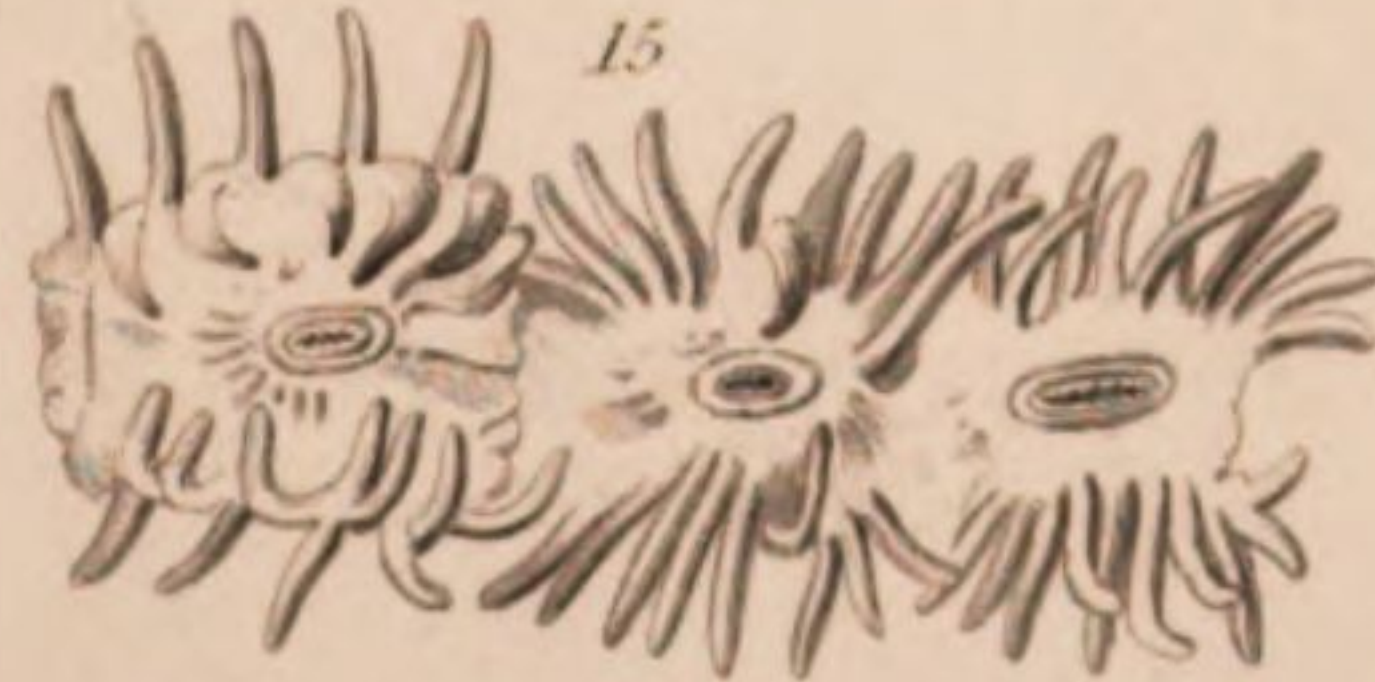
12. *Plumaria secundaria*.



13. *Sertularia Pumilla*.



14. *Caryophyllaea solitaria*.



15. *Meandrina Limesa*.



16. *Zoanthus Ellisii*.

III. SEA FLOWERS & STAR - CORAL, ZOANTHARIA.



17. *Astrea Ananas*.



19. *Oculina varicosa*.



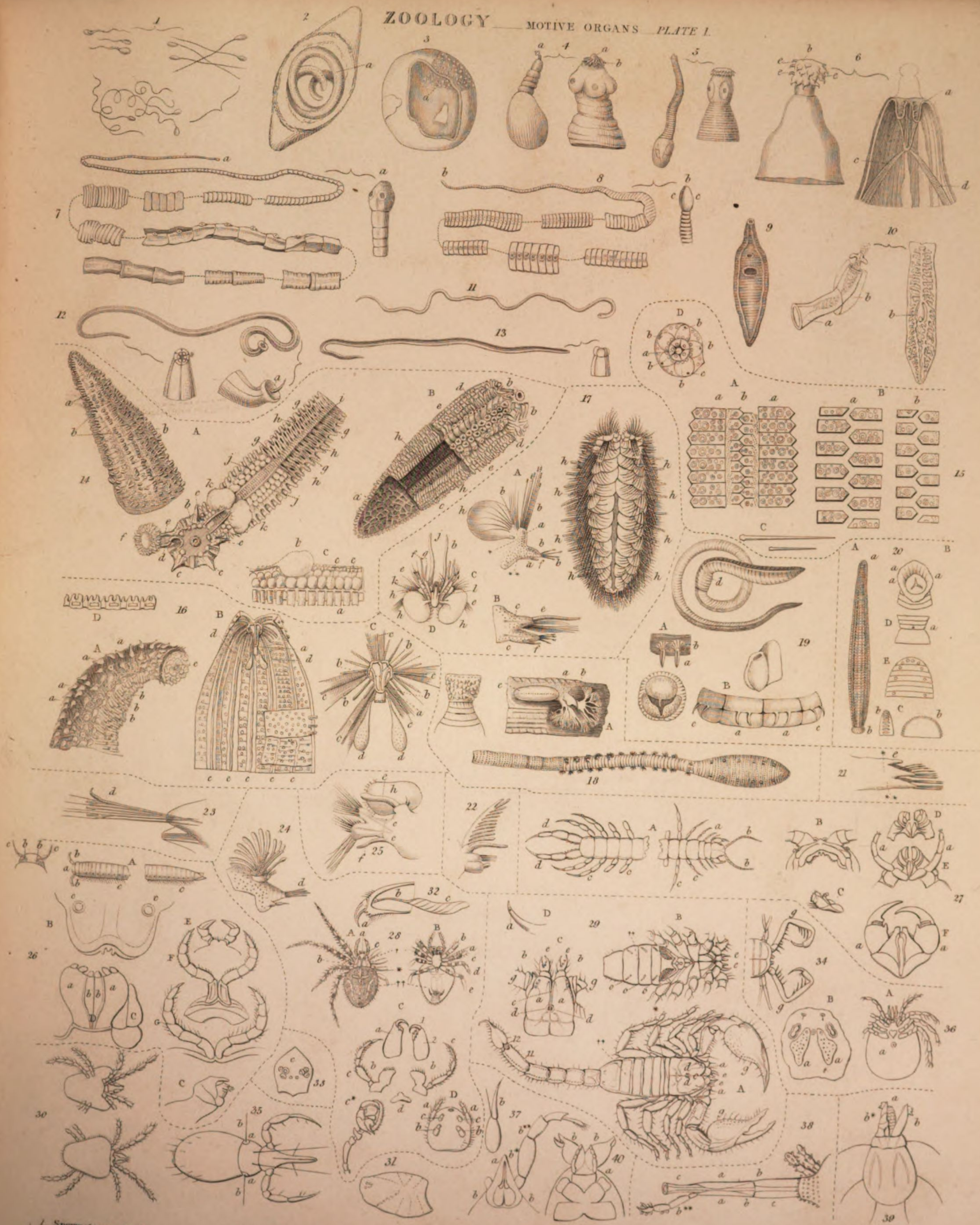
18. *Meandrina cerebriformis*.



19. *Oculina varicosa*.



20. *Actinia dianthus*.



1. *Spermatozoa varia.*
2. *Trichina spiralis.*
3. *Acephalocystis endogena.*
4. *Cysticercus cellulosa.*
5. *C. fasciolaris.*
6. *Echinorhynchus gigas.*
7. *Tænia solium.*
8. *Bothriocephalus latus.*

9. *Distoma hepaticum.*
10. *Planaria lactea.*
11. *Filaria gracilis.*
12. *Strongylus gigas.*
13. *Ascaris lumbricoides.*
14. *Asterias rubens.*
15. *Echinus lividus.*
16. *Holothuria tubulosa.*

17. *Aphrodita hispida.*
18. *Arenicola piscatorum.*
19. *Lumbricus terrestris.*
20. *Hirudo medicinalis.*
21. *Glycera.*
22. *Eunice sanguinea.*
23. *Chlorania Edwardsii.*
24. *Palmyra avaritia.*

25. *Sigalion Mathilde.*
26. *Julus terrestris.*
27. *Scolopendra mordax.*
28. *Epeira diadema.*
29. *Scorpio Afer.*
30. *Trombidium phalangii.*
31. *Mygale Coftraria.*
32. *Tegenaria domestica.*

33. *Pholcus phalangoides.*
34. *Phrymus rufiformis.*
35. *Scirus dephus.*
36. *Hydracne globulosa.*
37. *Raphignathus ruber.*
38. *Smaridia papillosa.*
39. *Ixodes plumbeus.*
40. *Acarus domesticus.*



1. *Dinemoura alata*.
2. *Limulus*.
3. *Astacus fluviatilis*.
4. *Platyecarrinus manus*.
5. *Talitrus saltator*.
6. *Cypris vidua*.
7. Imaginary pieces of Segment.
8. *Squilla Desmarestii*.
9. *Astacus fluviatilis*.

10. *Squilla Desmarestii*.
11. *Astacus fluviatilis*.
12. *ib.*
13. *Maia verrucosa*.
14. *Pagurus Bernardus*.
15. *Tracheliastes polycarpus*.
16. *Lerneocera cyprinacea*.
17. *Dytiscus marginalis*.
18. *Vespa vulgaris*.

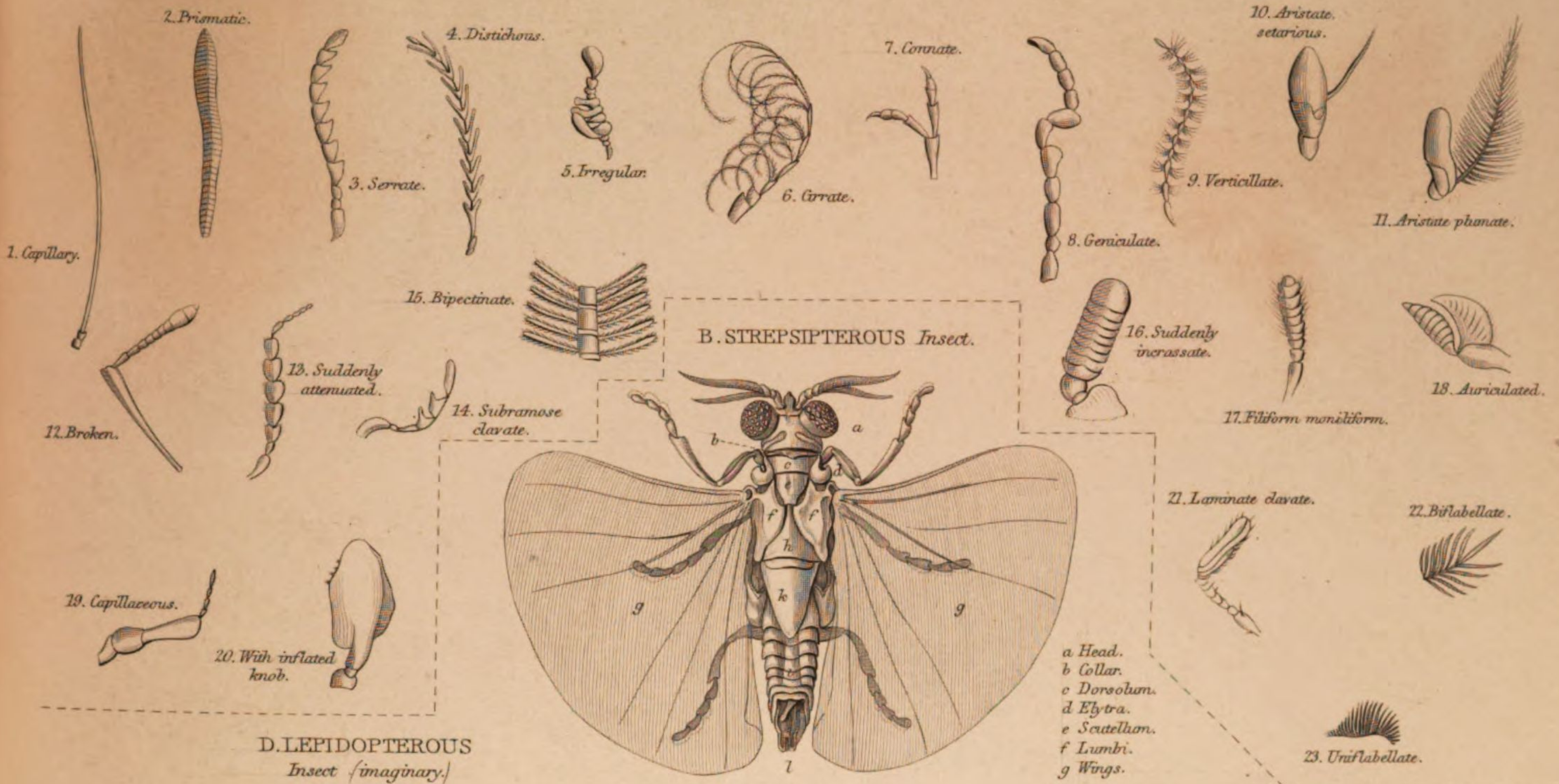
19. *Dytiscus*.
20. *Siphona*.
21. *Halictus*.
22. Teeth of Insects.
23. *Geotrupes*.
24. *Acheta domestica*.
25. *Cerambyx moschatus*.
26. *Tabanus*.
27. *Tettigonia*.

28. *Nepa Neptunia*.
29. *Machaon*.
30. *Noctua libatrix*.
31. Antennae.
32. Eyes.
33. Thorax.
34. *Musca*.
35. Abdomen.
36. Wings.

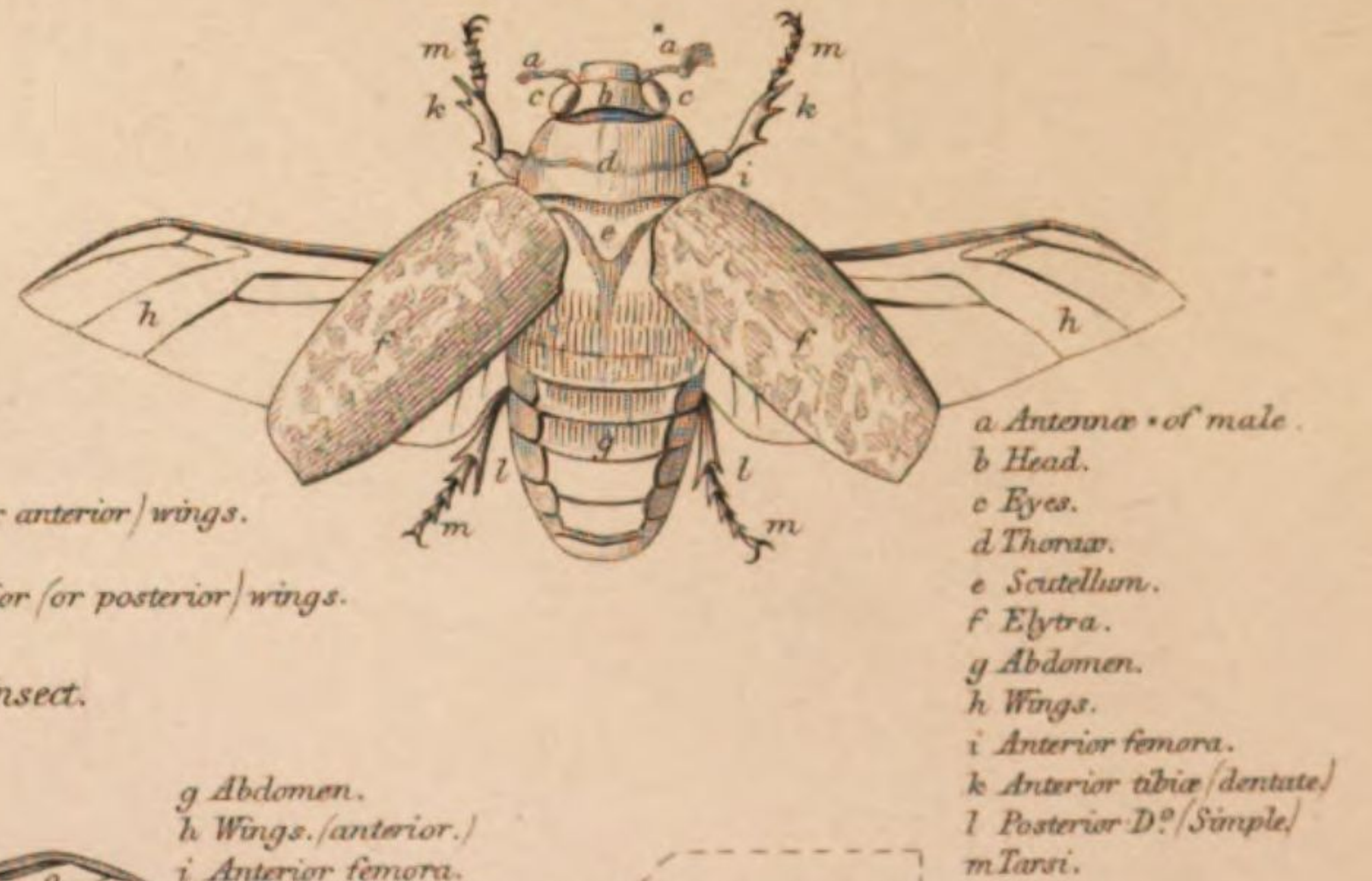
37. Legs.
38. *Pentalamis anatifera*.
39. Apephala, Mantles and Feet.
40. *Helix aspersa*.
41. *Murex* Section of Shell.
42. *Nautilus pompilius*.
43. *Loligo sagittata*.
44. *Sepia officinalis*.
45. *Clio borealis*.

TERMS USED IN ENTOMOLOGY.

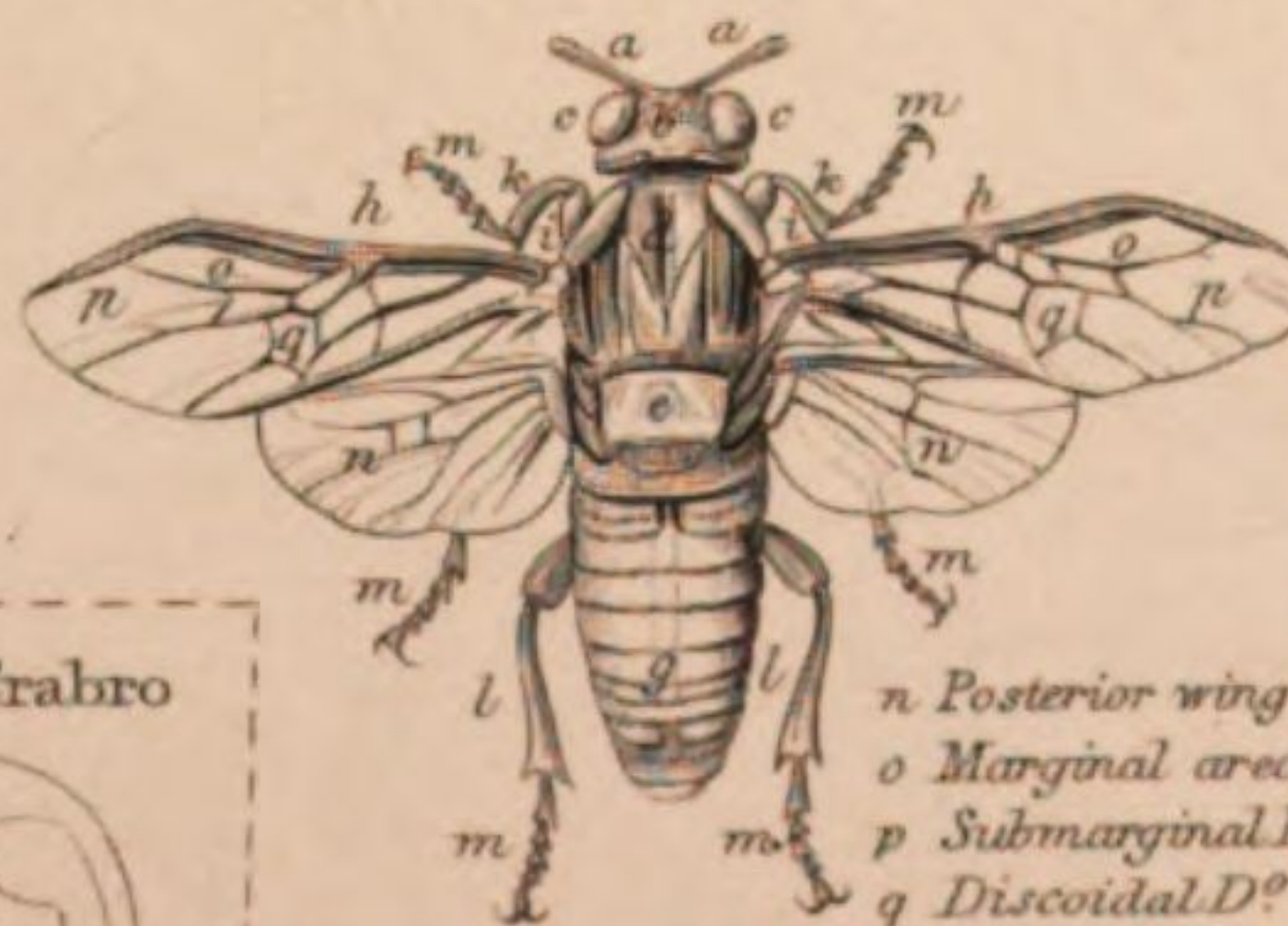
ANTENNE.



A. COLEOPTEROUS Insect.

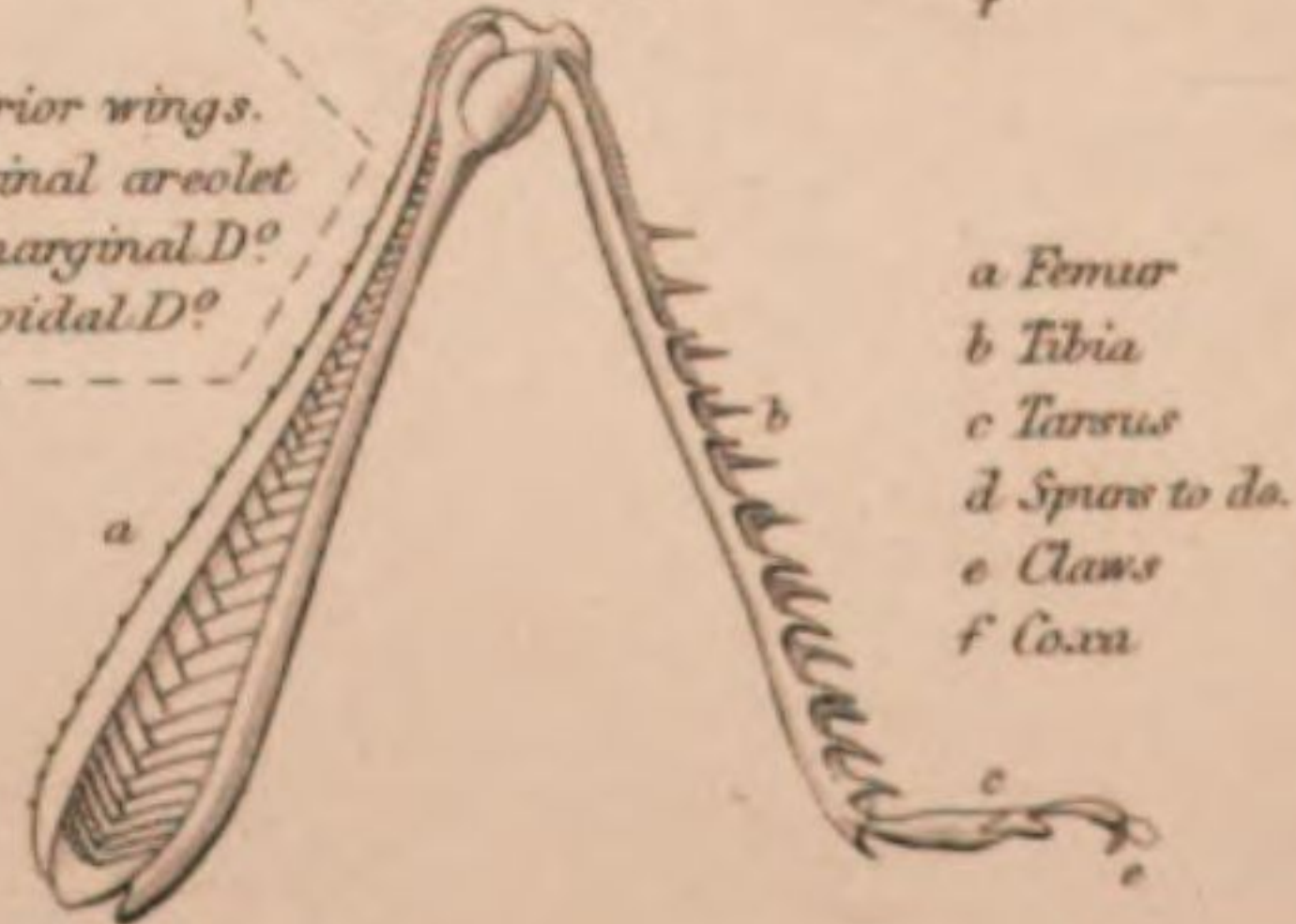


C. HYMENOPTEROUS Insect.



g Abdomen. h Wings (anterior). i Anterior femora. k Anterior tibia (dentate). l Posterior D^o (Simple). m Tarsi.

1. Saltatorial.



2. Natatorious.



3. Fossorial.



LEGS.

4. Patellate tarsus.

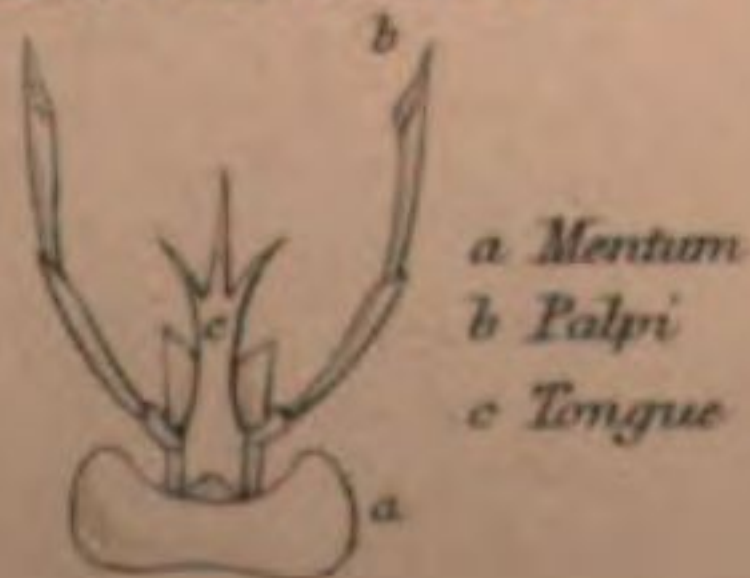


5. Simply dilated tarsus.

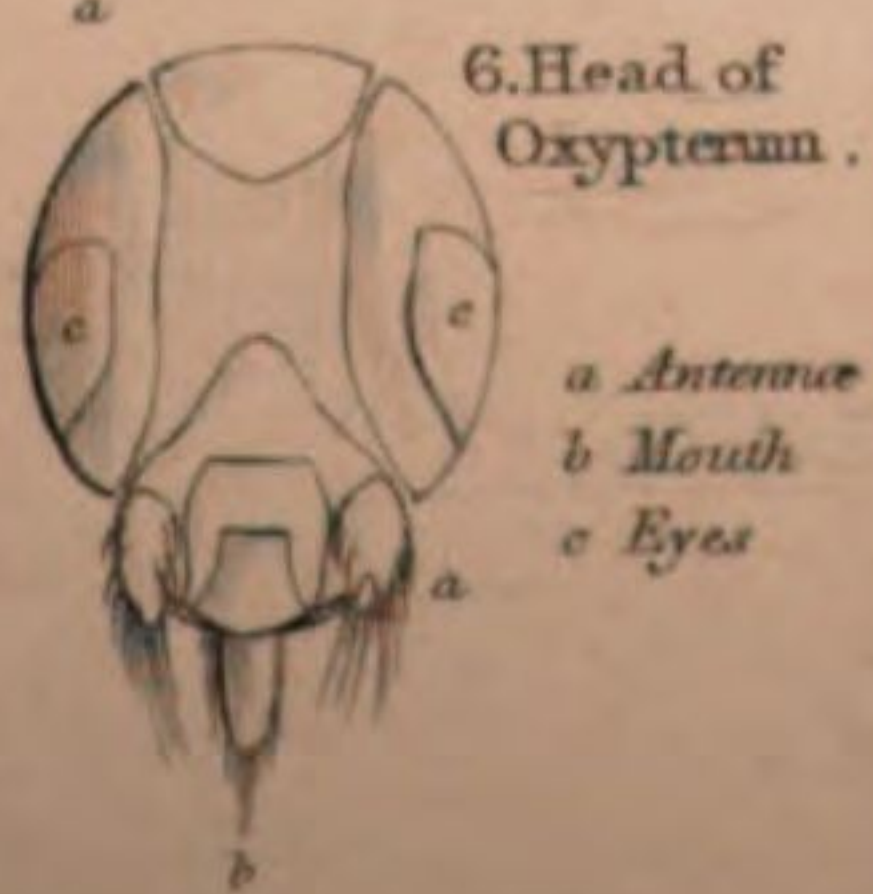


TROPHI &c.

5. Labrum of Leistus



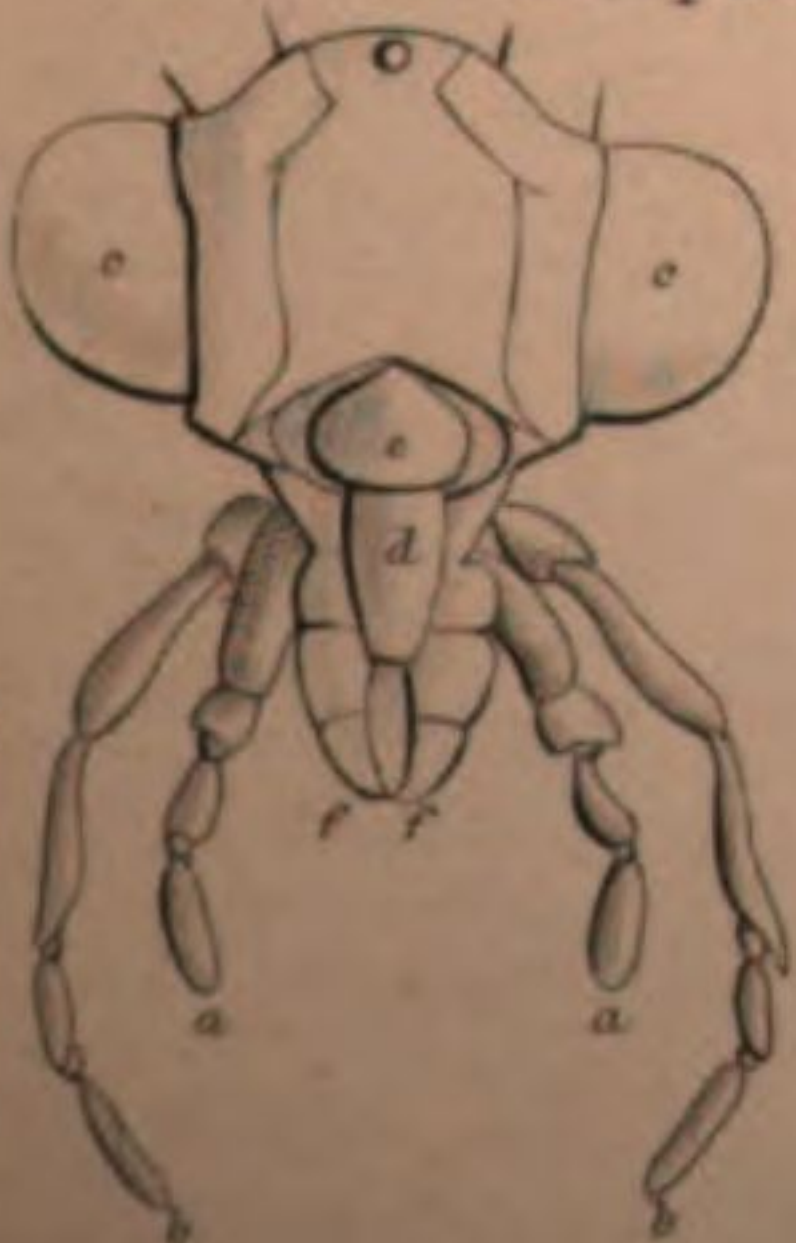
6. Head of Oxypterum



4. Head of Crabro

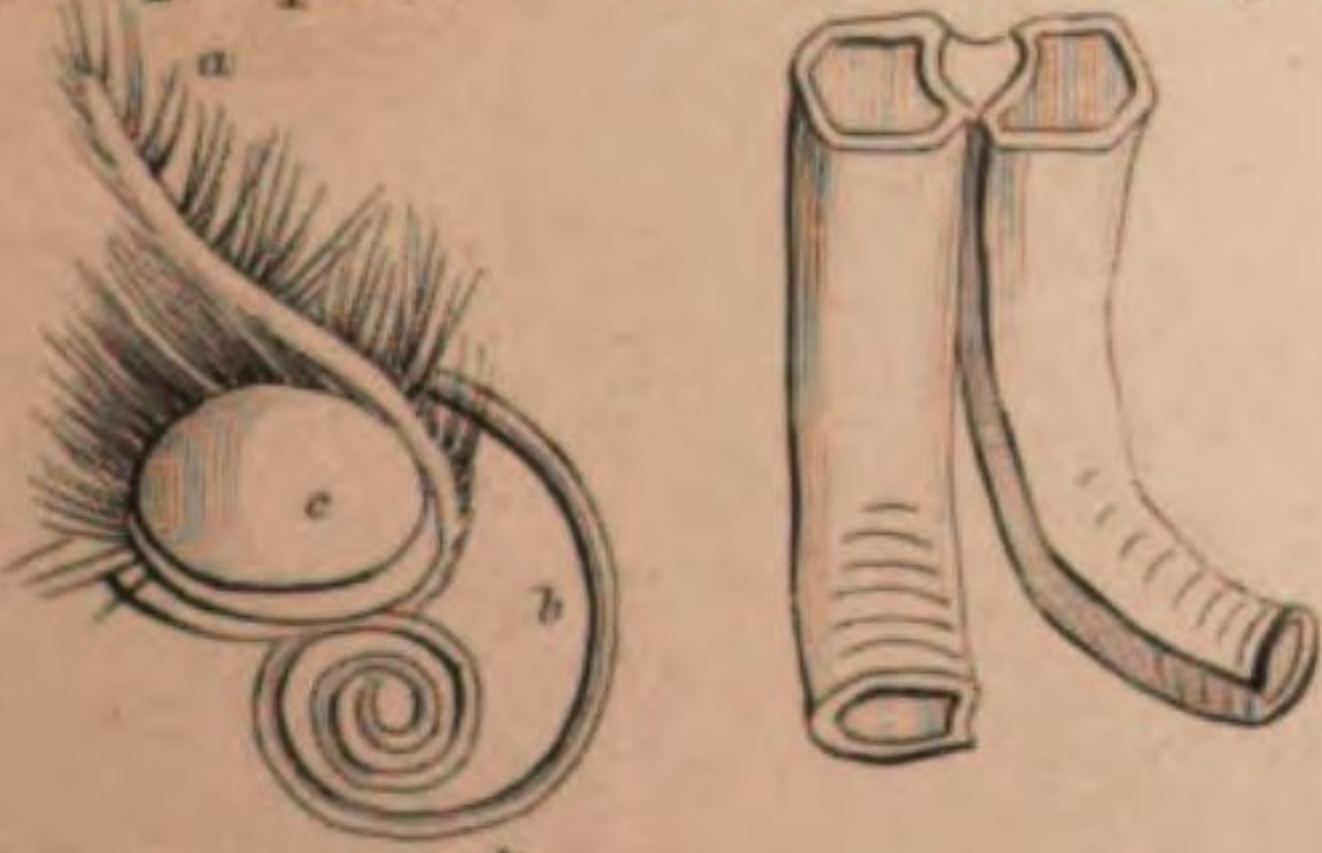


3. Head of Trichoptera.



Lepidoptera.

2. Part of Antlia magnified.

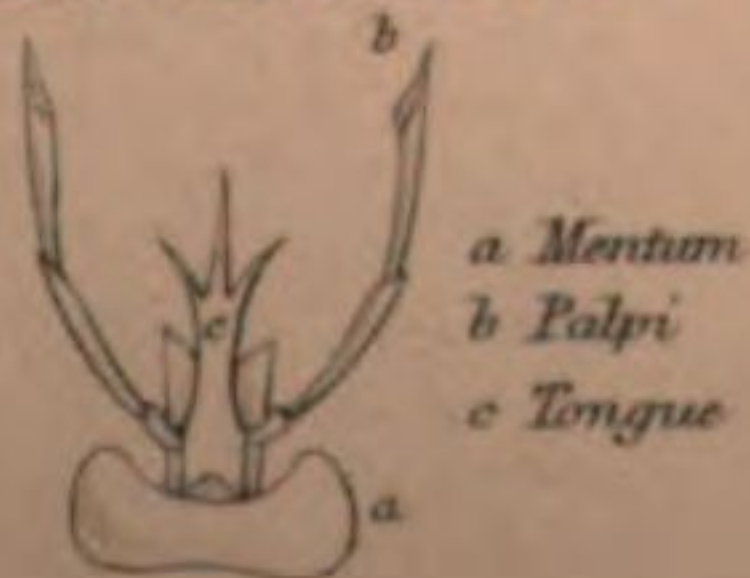


a Antennae. b Head. c Eyes. d Thorax. e Scutellum.

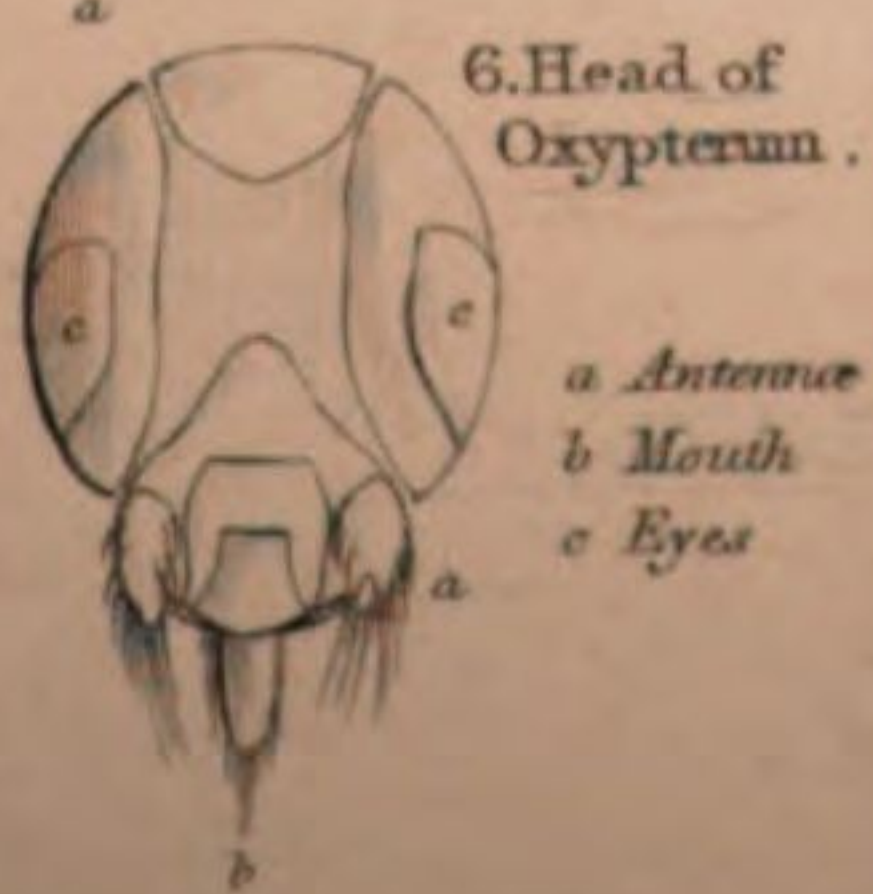
4. Head of Crabro



5. Labrum of Leistus



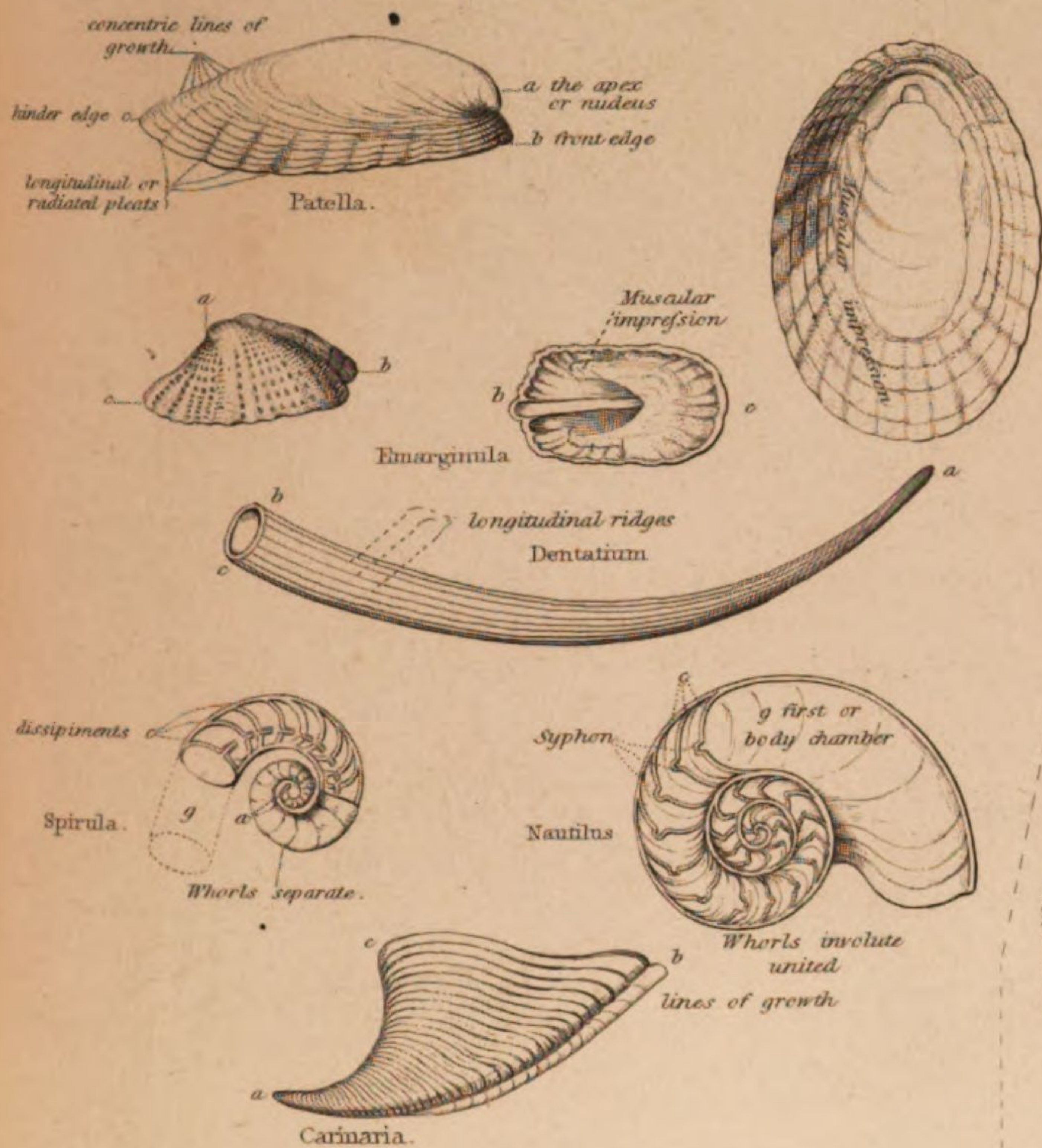
6. Head of Oxypterum



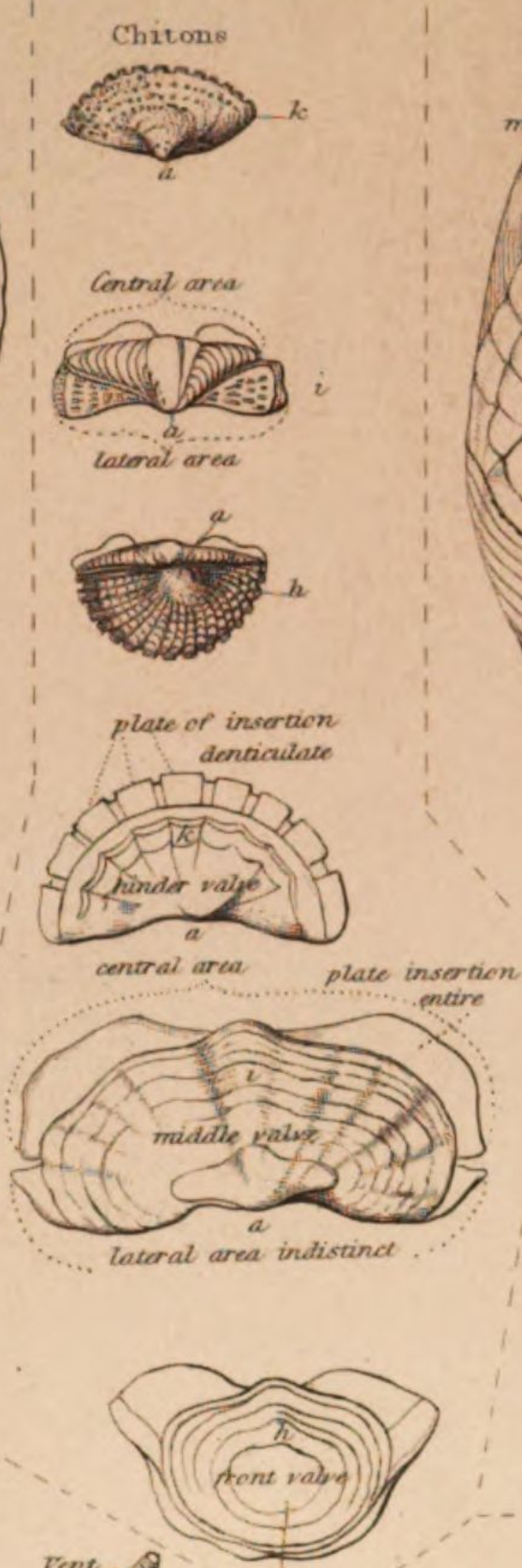
J.W. Lowry sculp.

THE TERMS USED IN CONCHOLOGY.

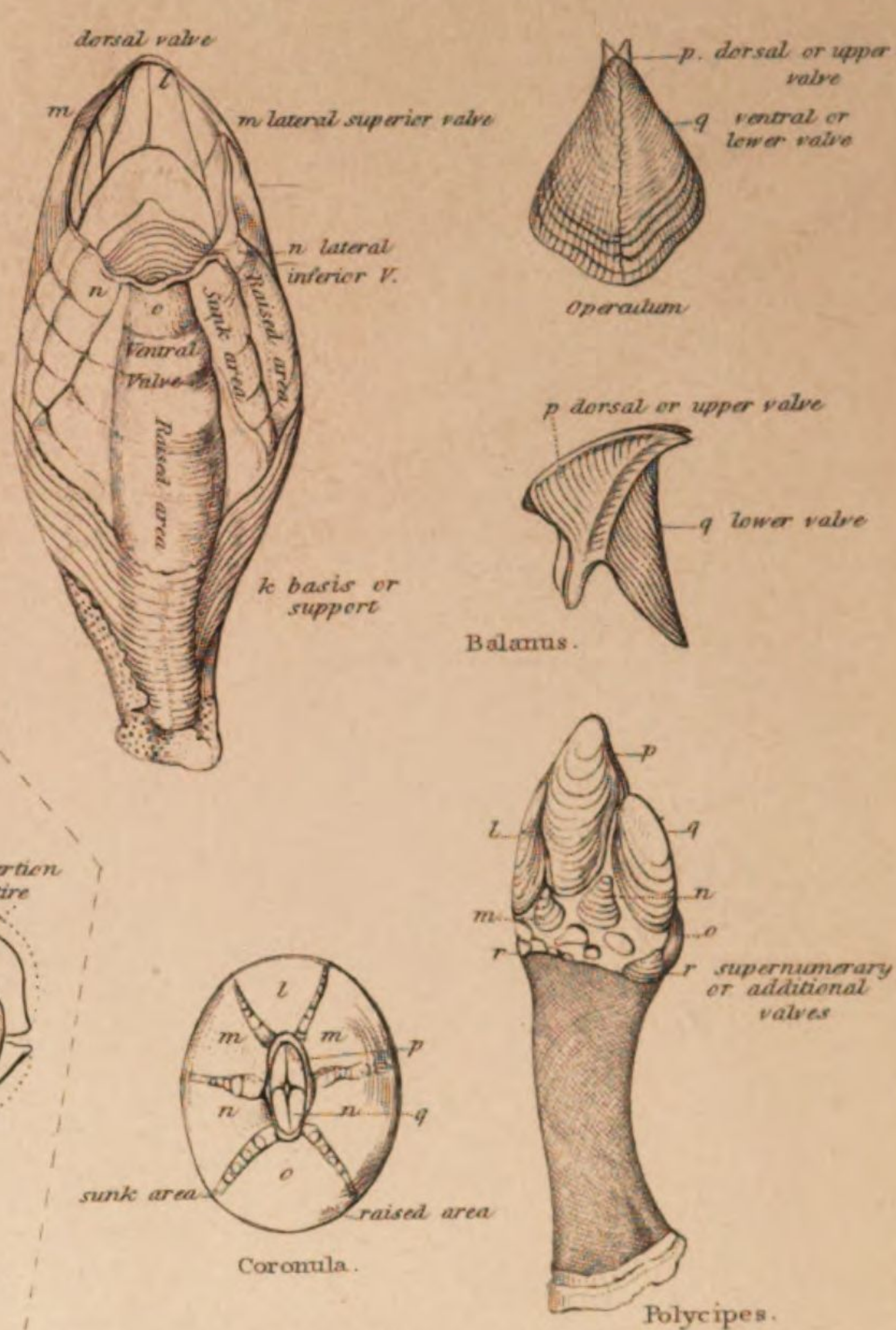
I. SYMETRICAL UNIVALVES.



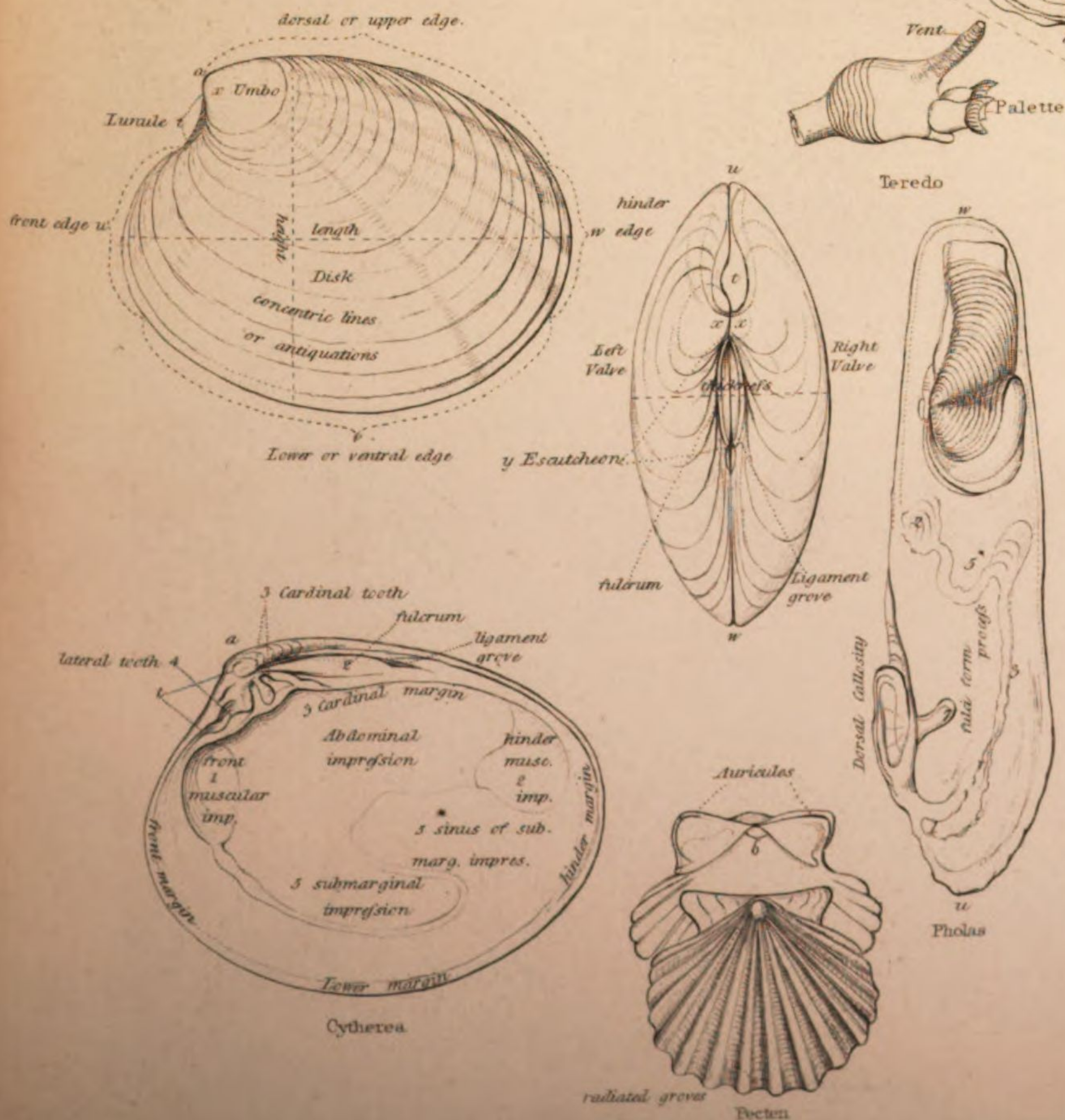
SERIAL MULTIVALVES.



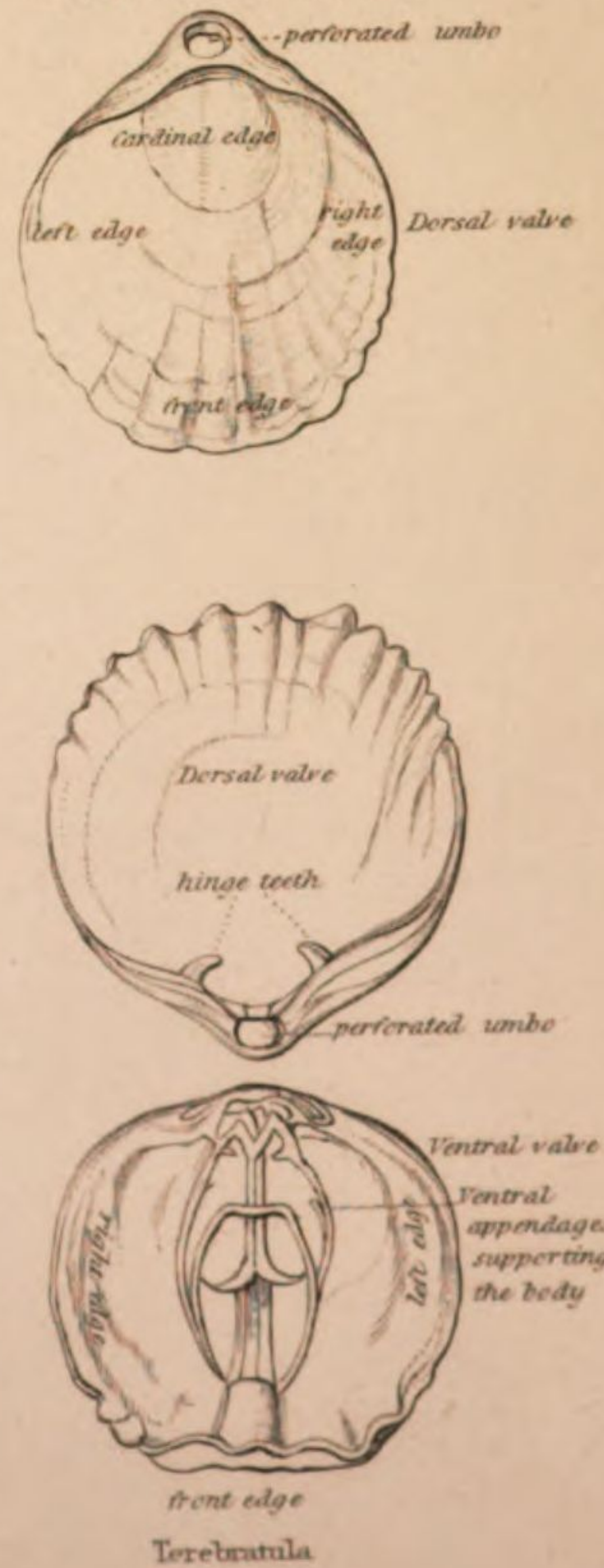
CORONAL MULTIVALVES.

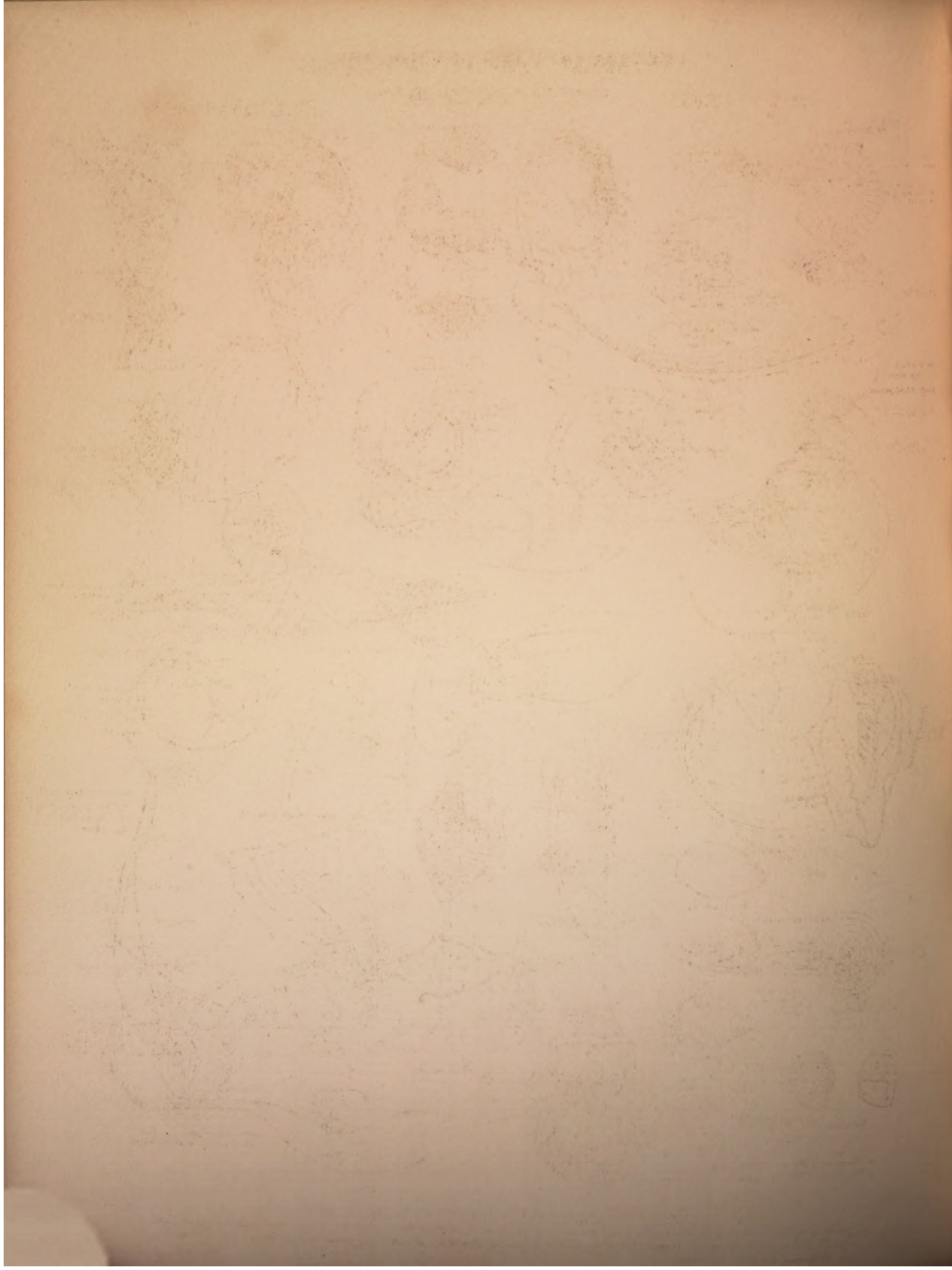


BIVALVE SHELLS.



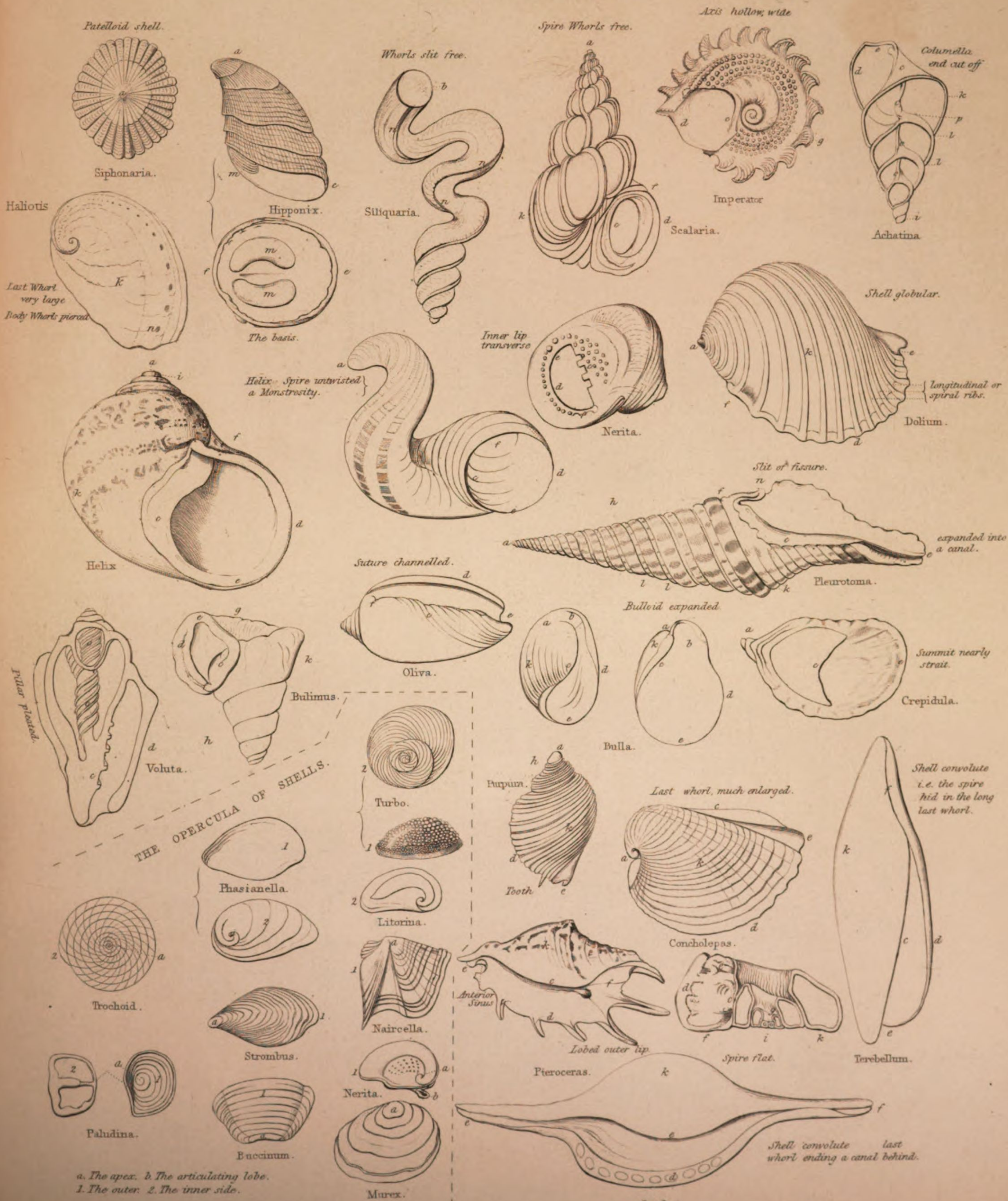
LAMPLIKE SHELLS.





TERMS USED IN CONCHOLOGY.

SPIRAL OR SUBSPIRAL SHELLS.



N.B. a. Summit or nucleus. b. Margin of month or Peristome. c. The inner or columella lip. d. Outer lip. e. Front edge. f. Hind edge of month. g. The hollow axis or umbilicus. h. Spire. i. First whorl. k. Body whorl. l. Suture. m. Muscular impression. n. Longitudinal slit. o. Columella. p. Dissepiment between the whorls.



1. *Ammocetes branchialis*. 2. *Bdellostoma heterotema*. 3. *Petromyzon marinus*. 4. *Clamara arctica*. 5. *Accipenser Ruthenus*. 6. *Raja batia*.
 7. *Acanthias spinax*. 8. *Cyprinus carpio*. 9. *Platessa vulgaris*. 10. *Anguilla vulgaris*. 11. *Perca fluviatilis*. 12. *Hippocampus*. 13. *Pegasus*.
 14. *Zygena*. 15. 15* *Morina nglefinus*. 16. *Salmo salar*. 17. *Zeus vomer*. 18. *Lophius piscatorius*.

ZOOLOGY SKELETON OF REPTILES PL. 2.





1. The first part of the letter is a greeting and a reference to a previous communication. It mentions the date of the previous letter and the name of the person to whom it was addressed. The writer expresses hope that the recipient is well and that the letter finds them in good health. The second part of the letter discusses the writer's current situation and the progress of their work. It mentions the writer's recent travels and the results of their investigations. The writer also mentions the writer's plans for the future and the writer's hopes for the success of their work. The letter concludes with a closing and a signature. The signature is written in a cursive hand and is followed by the name of the writer. The letter is dated and the date is written in the top right corner. The letter is written on a piece of paper that is slightly aged and has a yellowish tint. The handwriting is in dark ink and is mostly legible, although there are some areas where the ink is faded or the paper is stained. The letter is a good example of early 20th-century handwriting and provides a glimpse into the life and work of the writer.



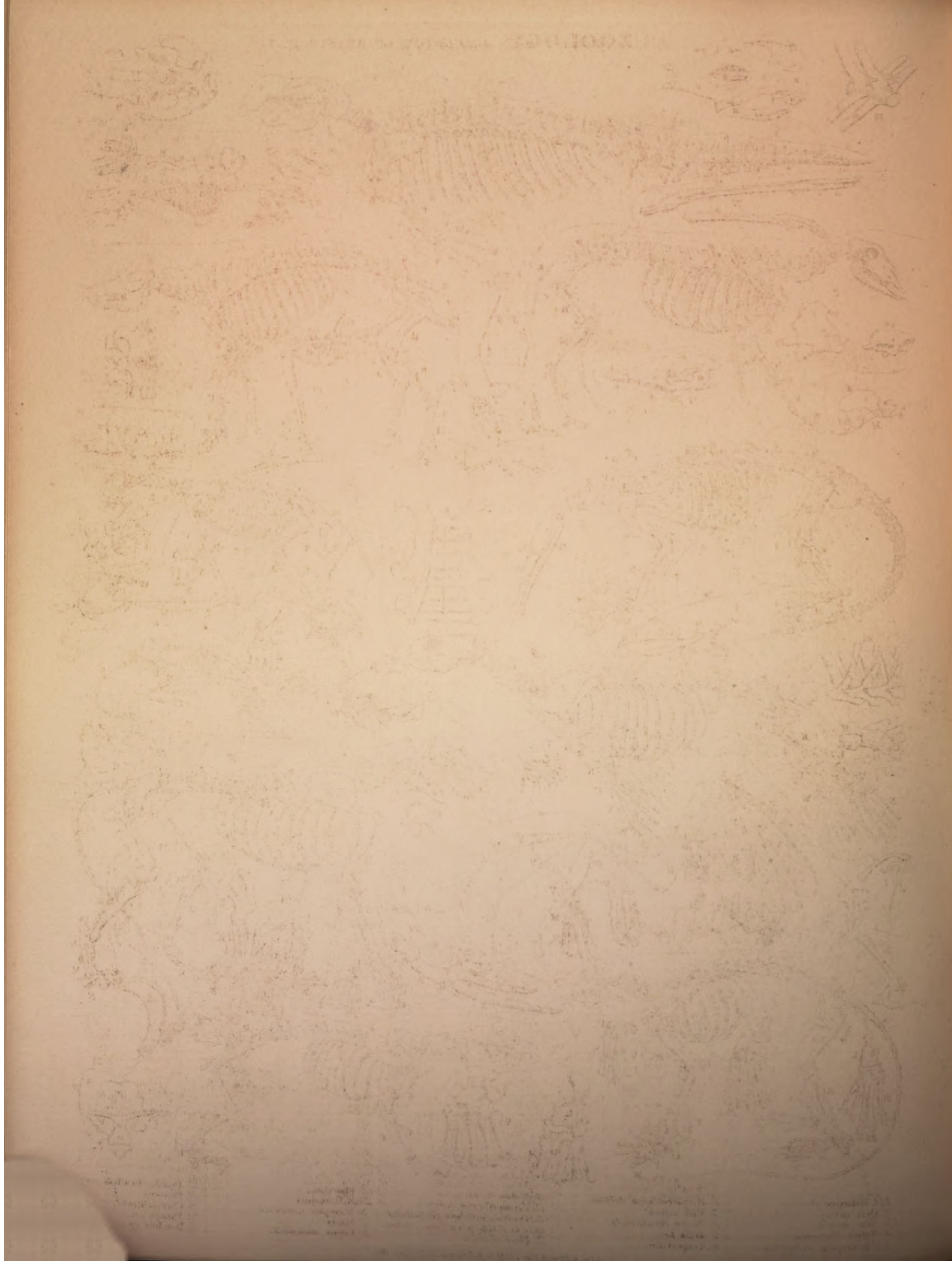
1. *Falco asalon*.
2. *Strix*.
3. *Picus viridis*.
4. *Macroceros*.
5. *Buteo*.

6. *Gallus domesticus*.
7. *Struthio camelus*.
8. *Aptenodytes demersa*.
9. *Anas boschas*.

10. *Cypselus vulgaris*.
11. *Carbo cormoranus*.
12. *Colymbus glacialis*.
13. *Scolopax rusticola*.
14. *Meleagris gallopavo*.
15. *Pavo cristata*.

16. *Rhea Americana*.
17. *Apteryx Australis*.
18. *Dromiceus Emai*.
19. *Ardea algala*.
20. *Cygnus musicus*.
21. *Buteo vulgaris*.

22. *Numida cristata*.
23. *Alca torda*.
24. *Ciconia alba*.
25. *Fulica*.
26. *Sula alba*.
27. *Corvus corone*.

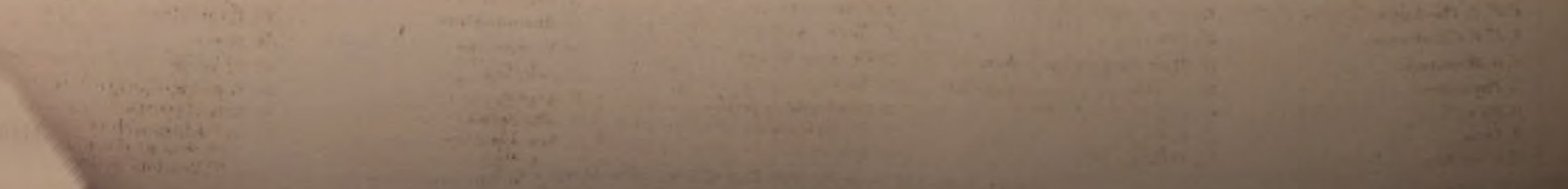
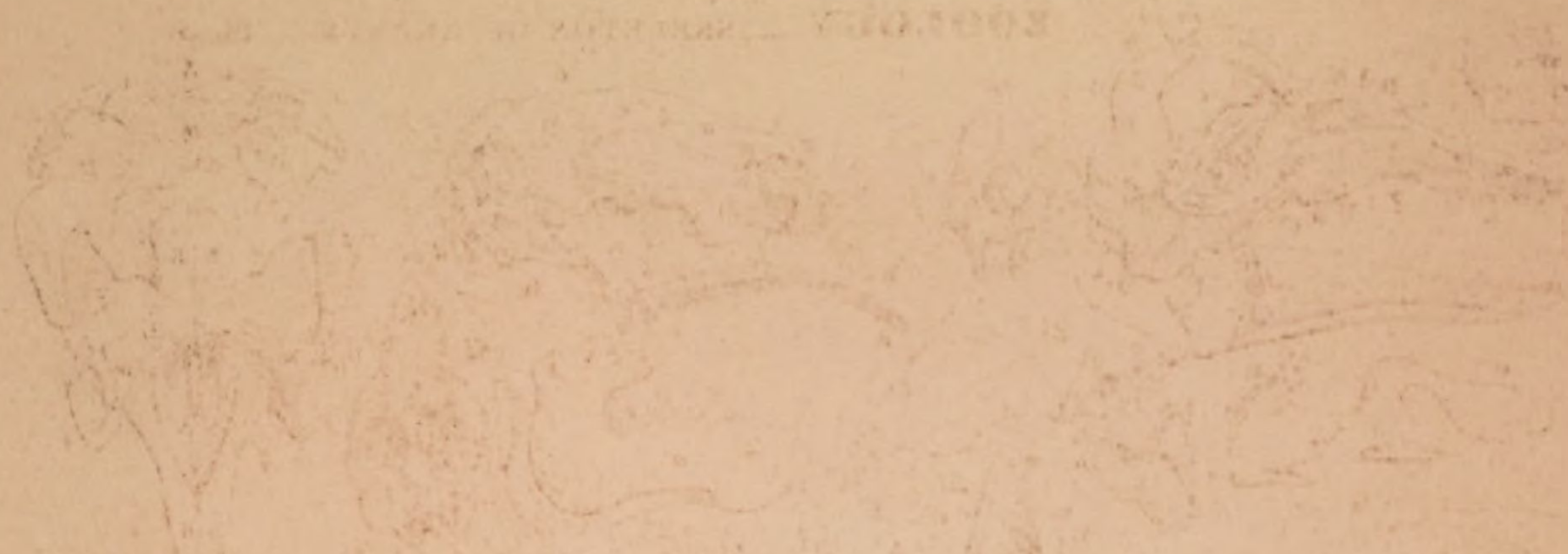


ZOOLOGY - SKELETON OF BEASTS PL. 4.

This plate contains the following figures and labels:

- Figures 1, 2, 3, 6, 9, 12, 22, 23:** Complete skeletons of various quadrupeds, shown in lateral view. They are labeled with letters A through Z to identify specific bones.
- Figure 15:** A large snake skeleton, shown in lateral view, with labels A through Z.
- Figure 16:** A detailed view of a vertebral column segment.
- Figure 17:** A detailed view of a rib.
- Figure 18:** A detailed view of a skull.
- Figure 19:** A detailed view of a skull.
- Figure 20:** A detailed view of a skull.
- Figure 21:** A detailed view of a skull.
- Figure 24:** A detailed view of a skull.
- Figure 25:** A detailed view of a skull.
- Figure 26:** A detailed view of a skull.
- Figure 27:** A detailed view of a skull.
- Other labels:** Numerous individual bones and skeletal parts are labeled with letters (A-Z) and numbers (1-27) throughout the plate.

23. *Ornithorhynchus paradoxus*.
24. *Phocaena*.
25. *Chrysochloris*.
26. *Stenops grialis*.
27. *Moschus pygmaeus*.





1. 1. 2. Phocæna.
3. 3. 4. 4. Balæna.
5. 6. Manatus.
7. Physeter.
8. Bos.
9. Ovis.
10. Camelus.

11. Cervus.
12. Sciurus.
13. Cavia.
14. Myrmecophaga jubata.
15. ib. tamandua.
16. Castor.
17. Felis.
18. Phoca.

19. Erinaceus.
20. Centetes.
21. Sorex indicus.
22. Chrysochloris.
23. Talpa.
24. Pteropus.
25. Phyllostoma.
26. Nycterus.

27. Glossophaga.
28. Rhinolophus.
29. Vespertilio.
30. Echinus.
31. Lepus.
32. Didelphis.
33. Macropus.

34. Phascogaleos.
35. Perameles.
36. Manis.
37. Elephas.
38. Tapirus.
39. Rhinoceros. 40. ib. sinensis.
41. Galeopithecus. 42. Lemur.

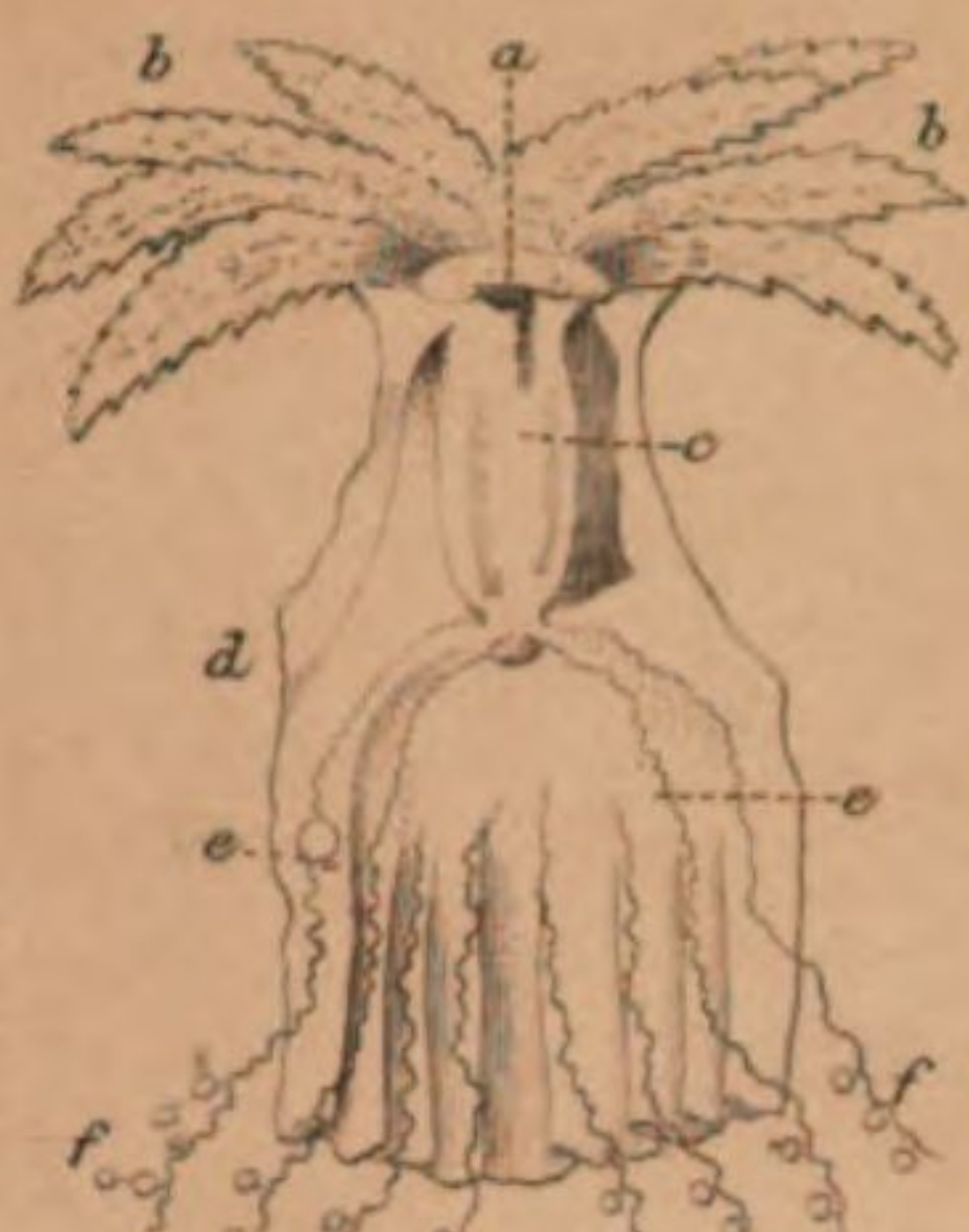


ZOOLOGY.

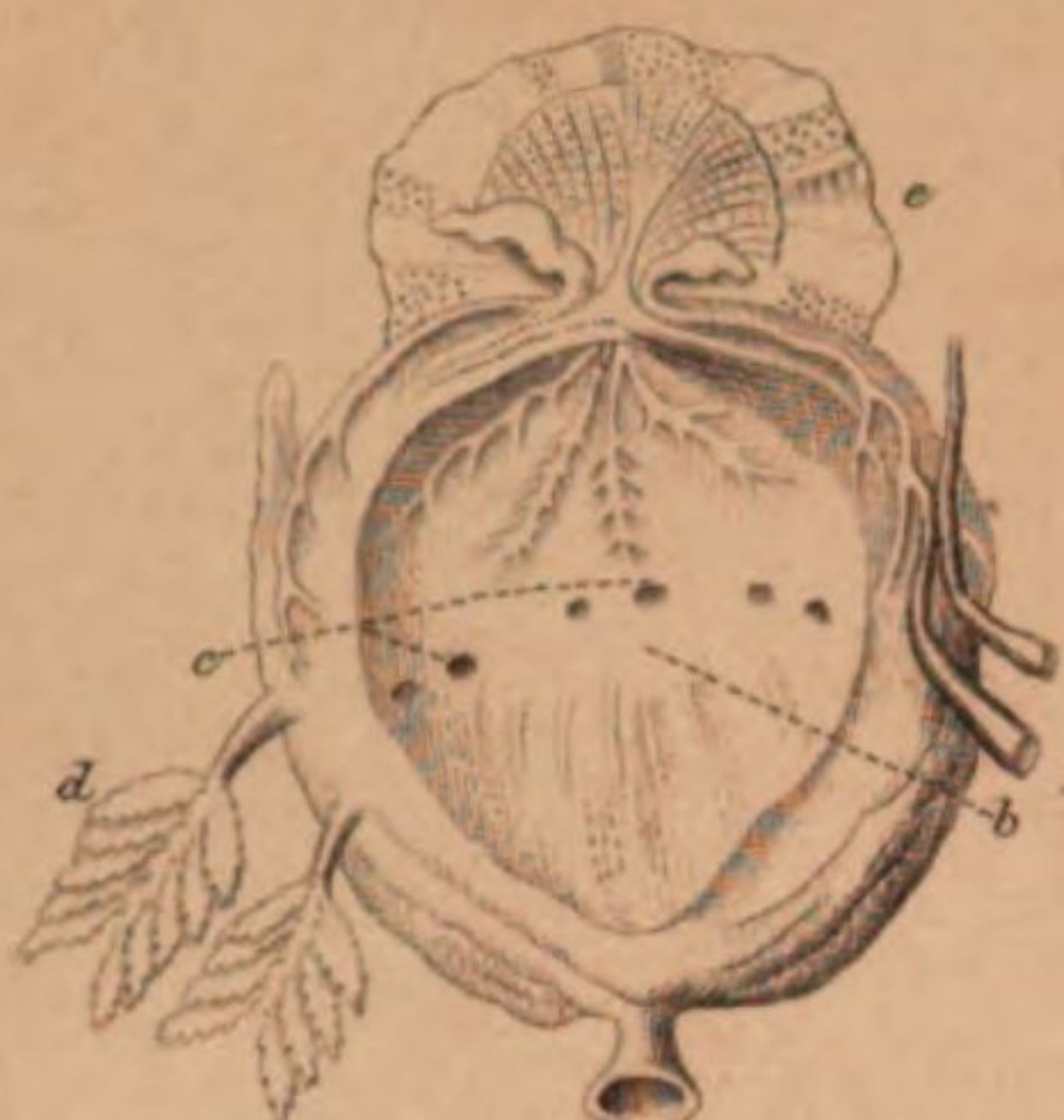
Alimentary Canal N° 1.



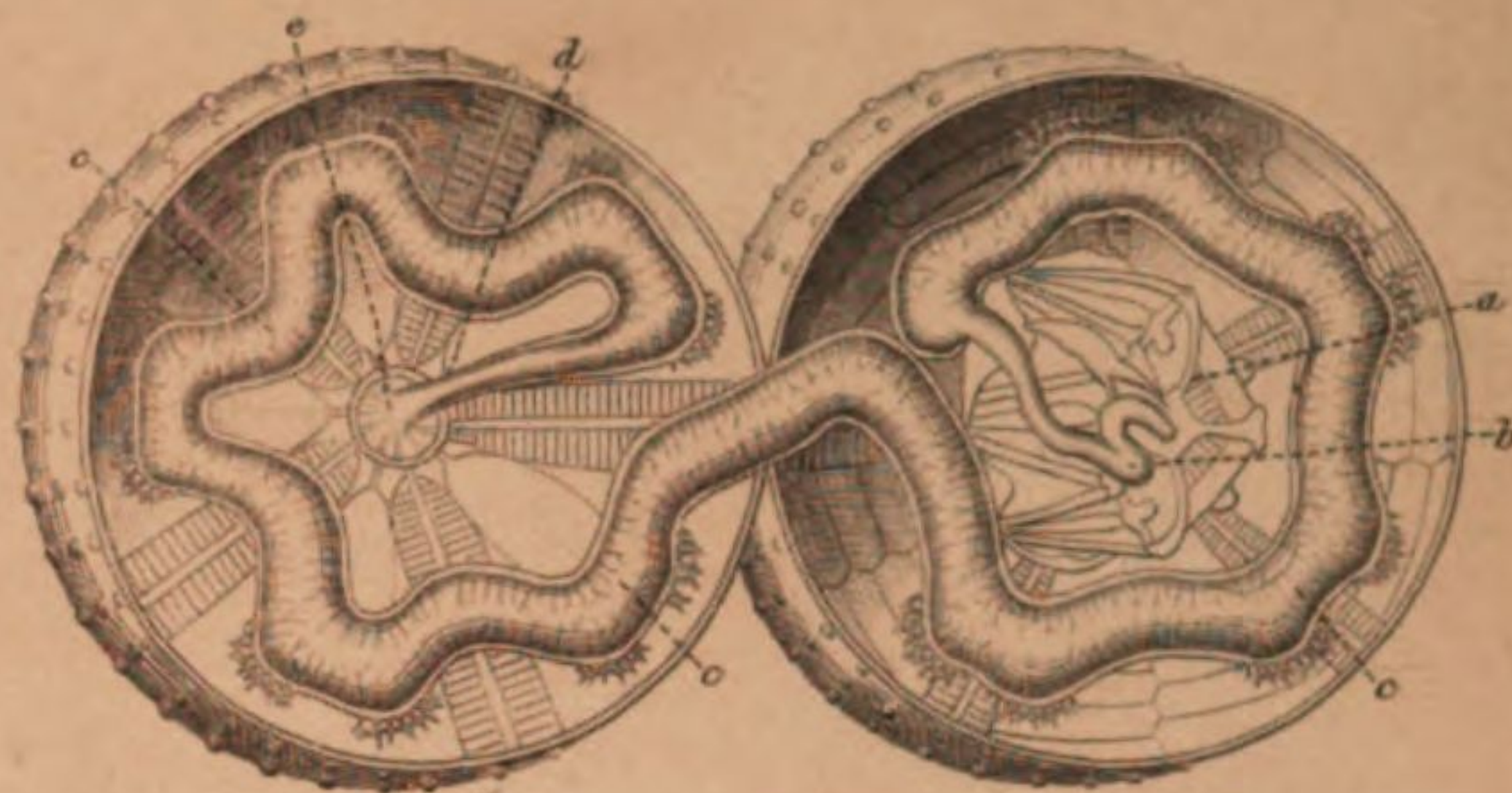
Hydra Viridis.



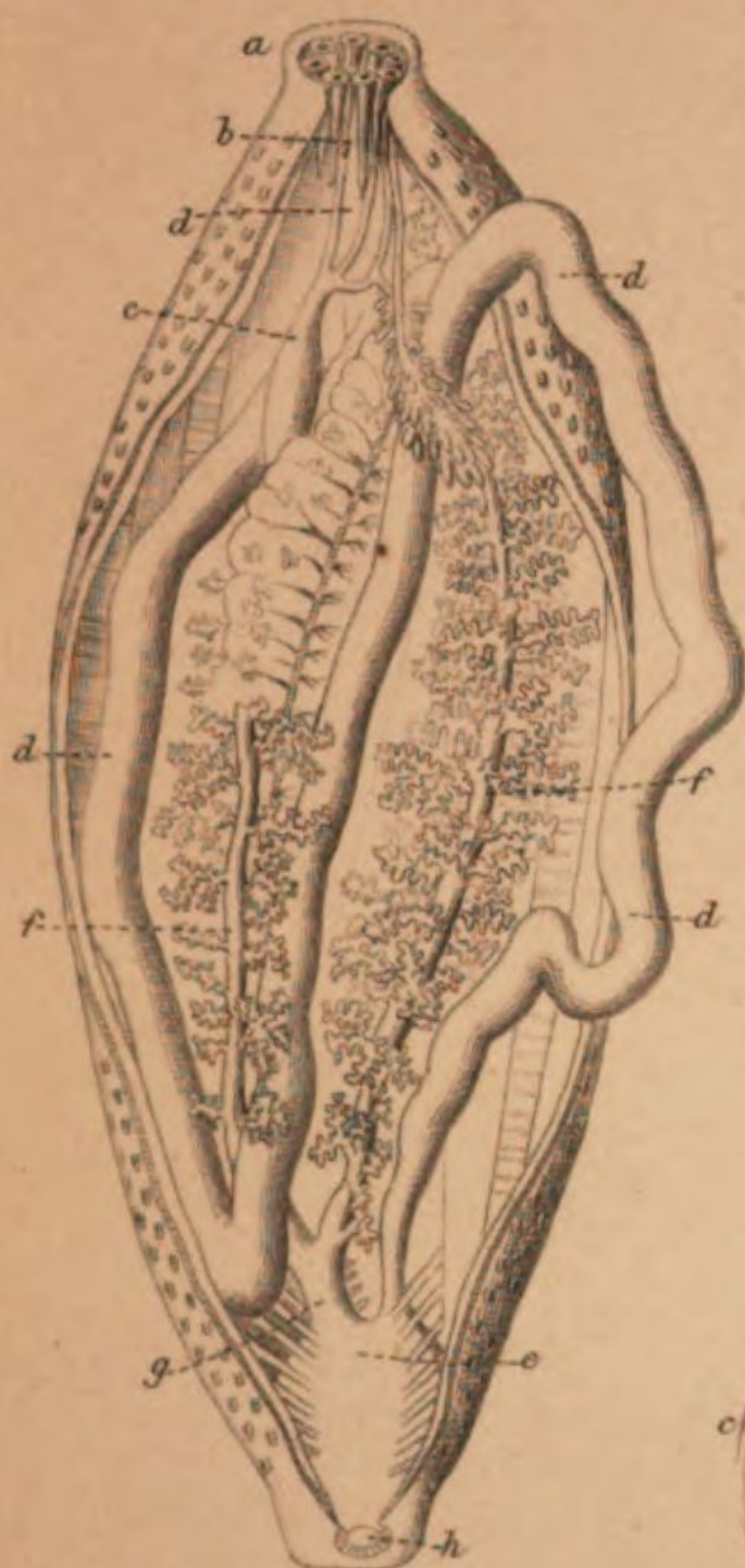
Veretillum Cynomorium.



Asterias Aurantiaca.



Echinus Saxatilis.



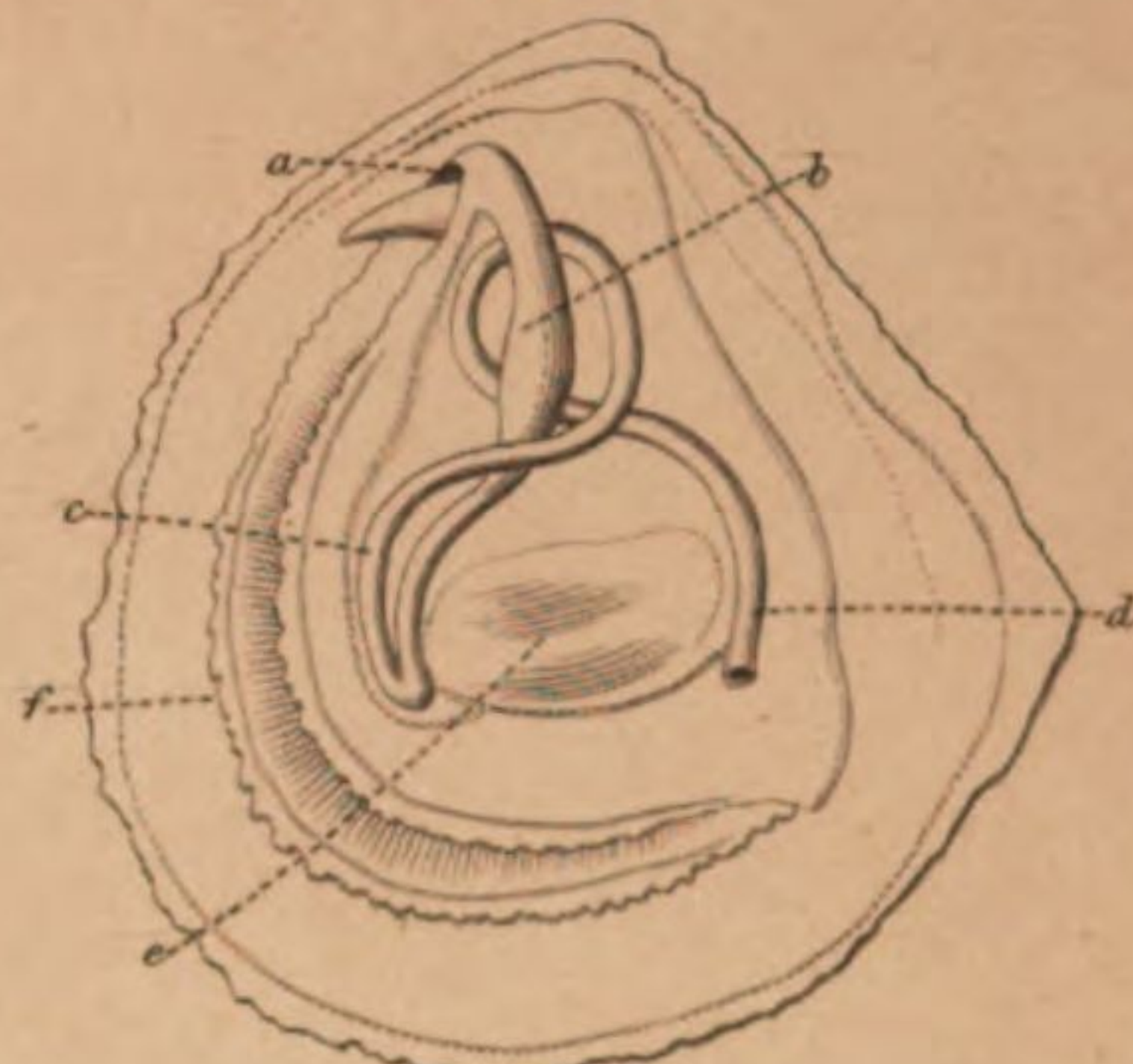
Holothura Tubulosa.



Hirudo Vulgaris.



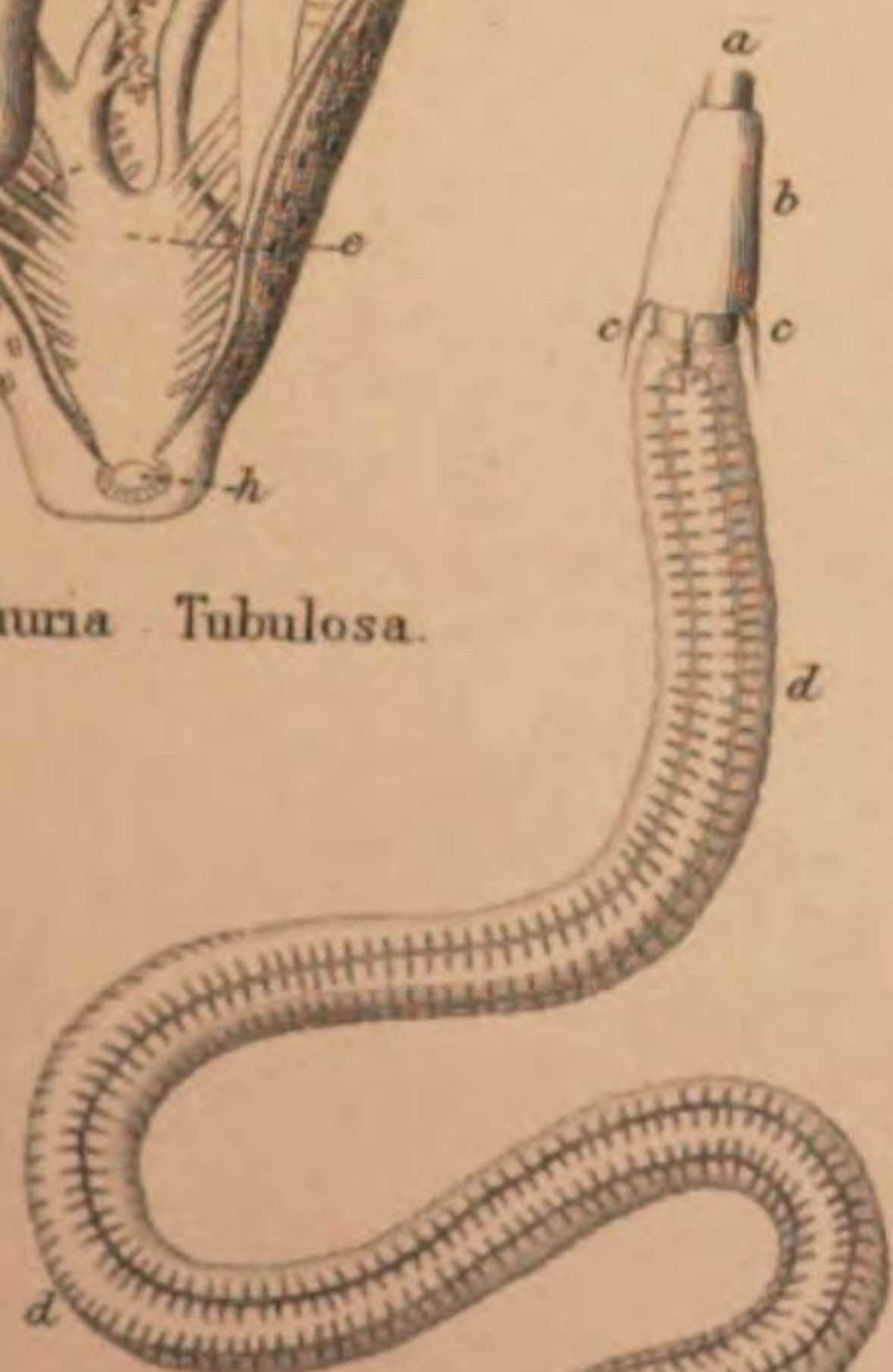
Loligo Vulgaris.



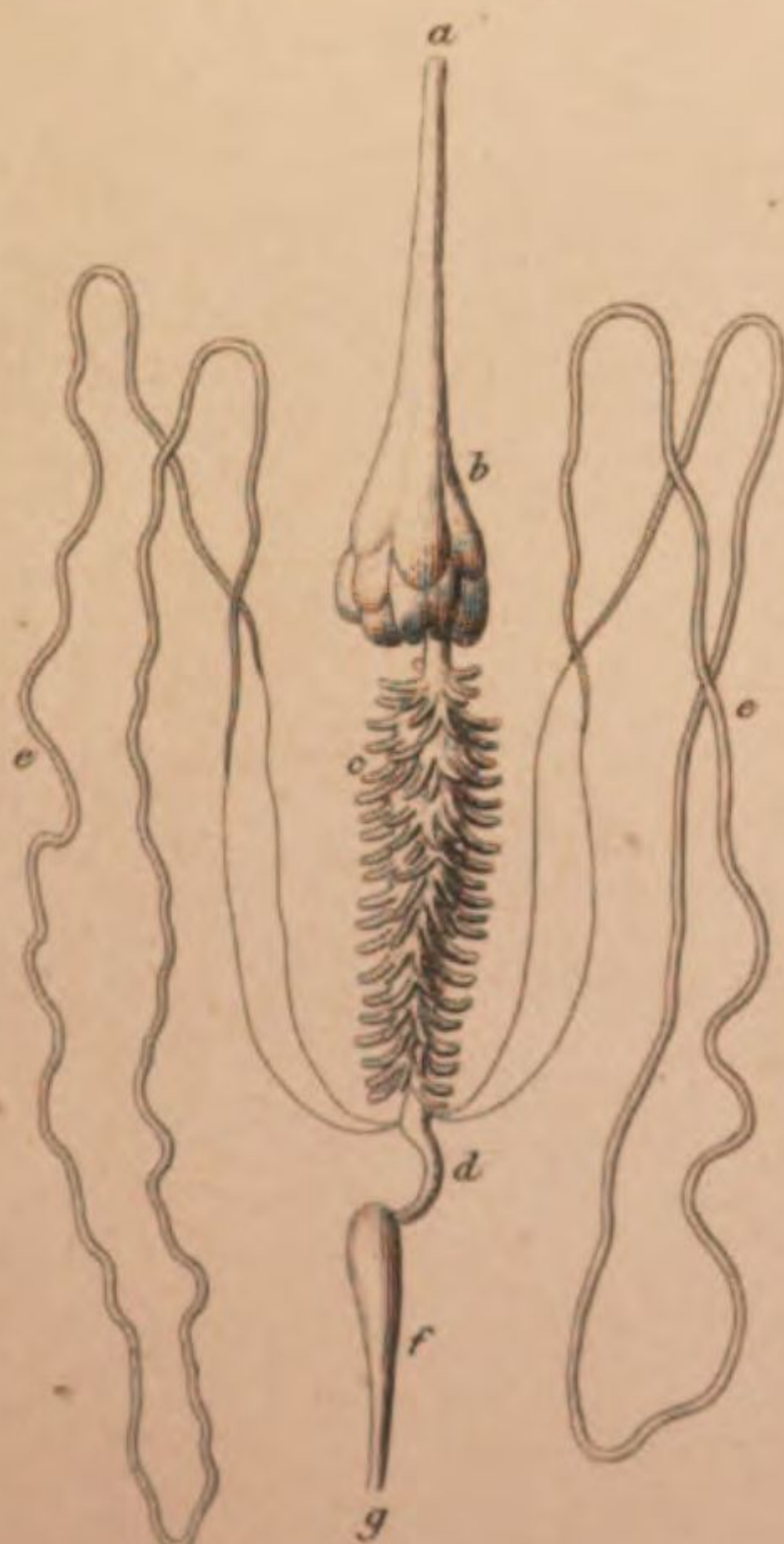
Ostrea Edulis.



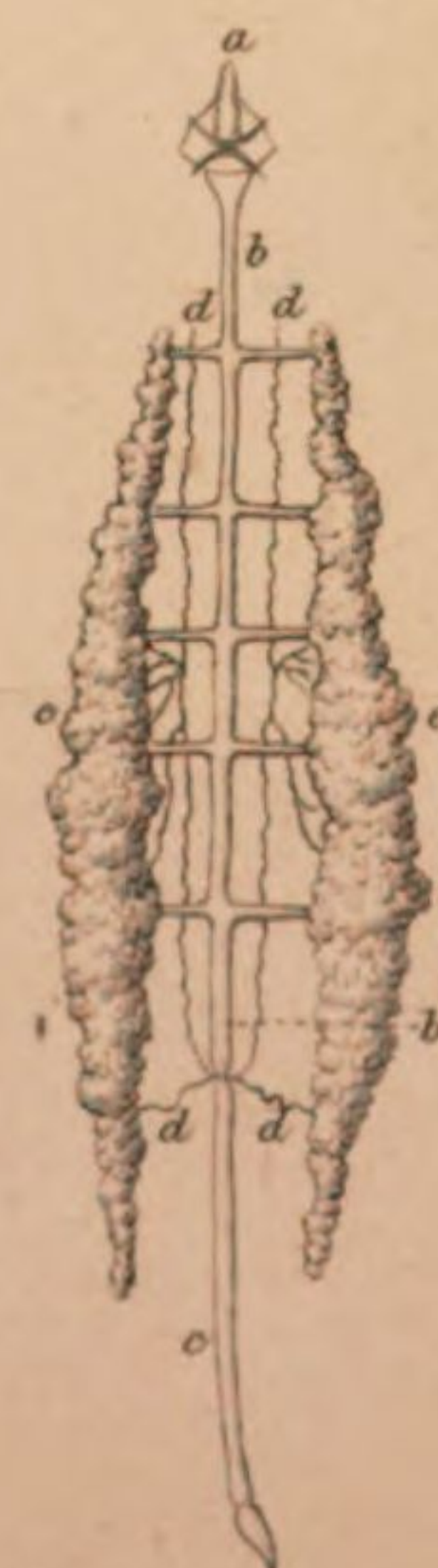
Anodon Cygneus.



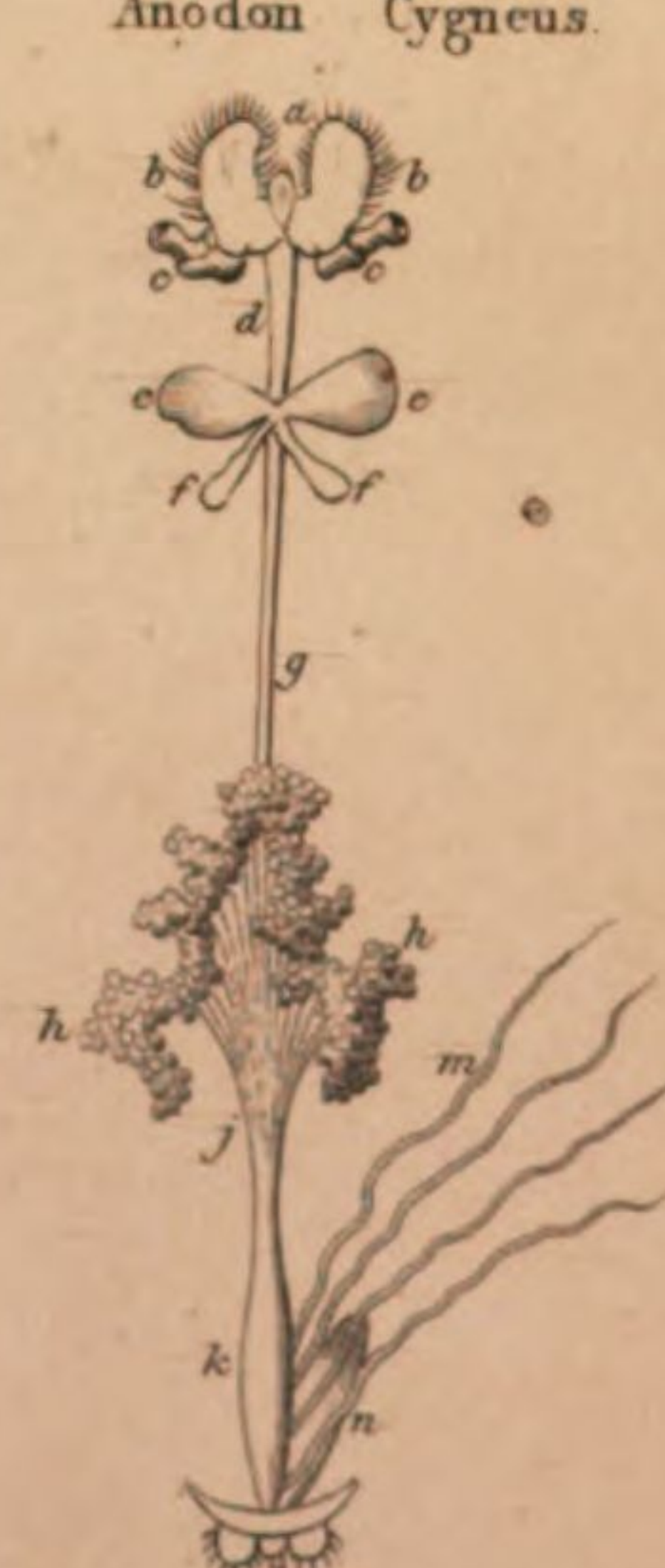
Melolontha Vulgaris.



Cicindela Campestris.



Scorpio Europæus.



Aranea Domestica.



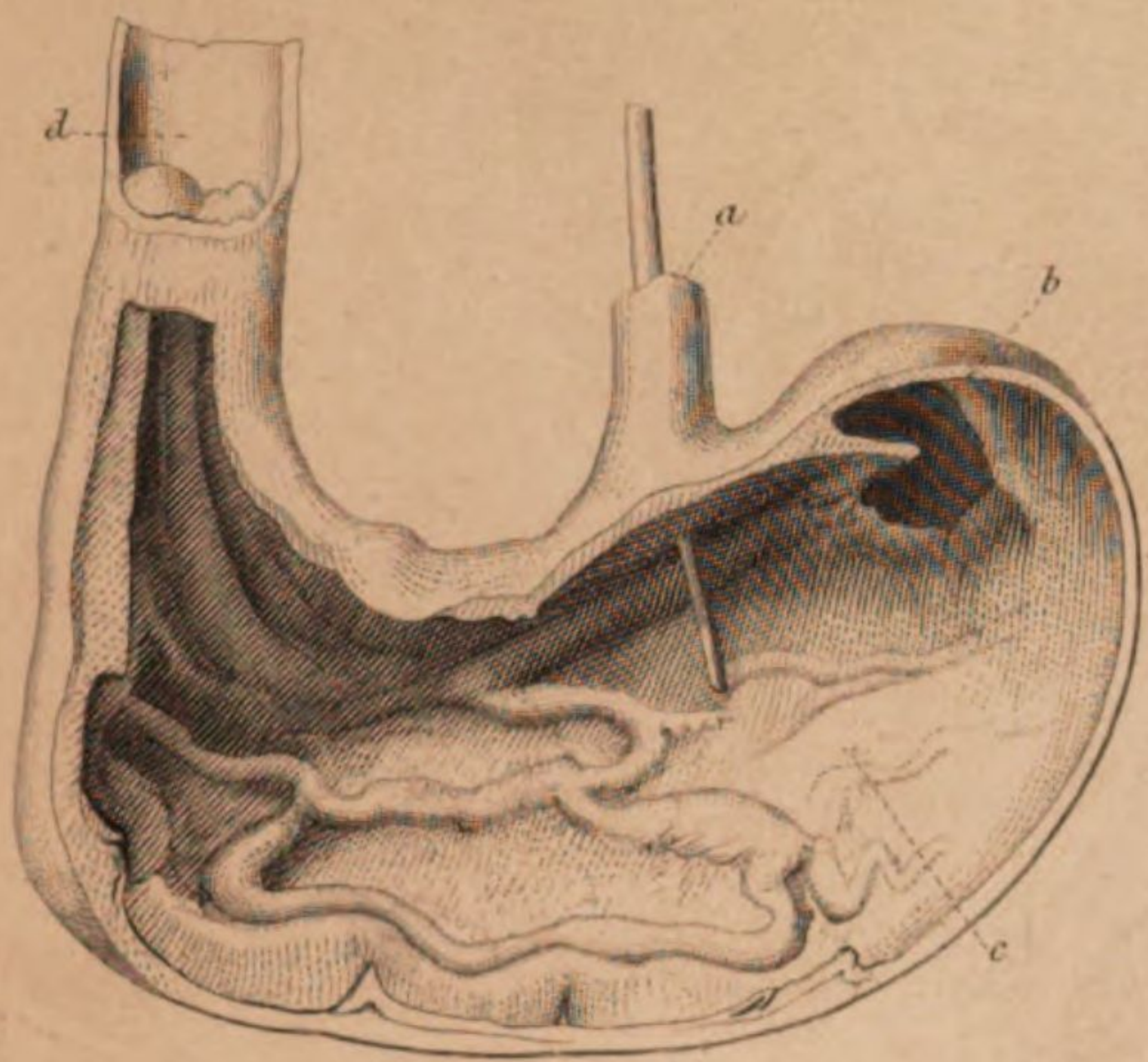
Astacus Fluviatilis.



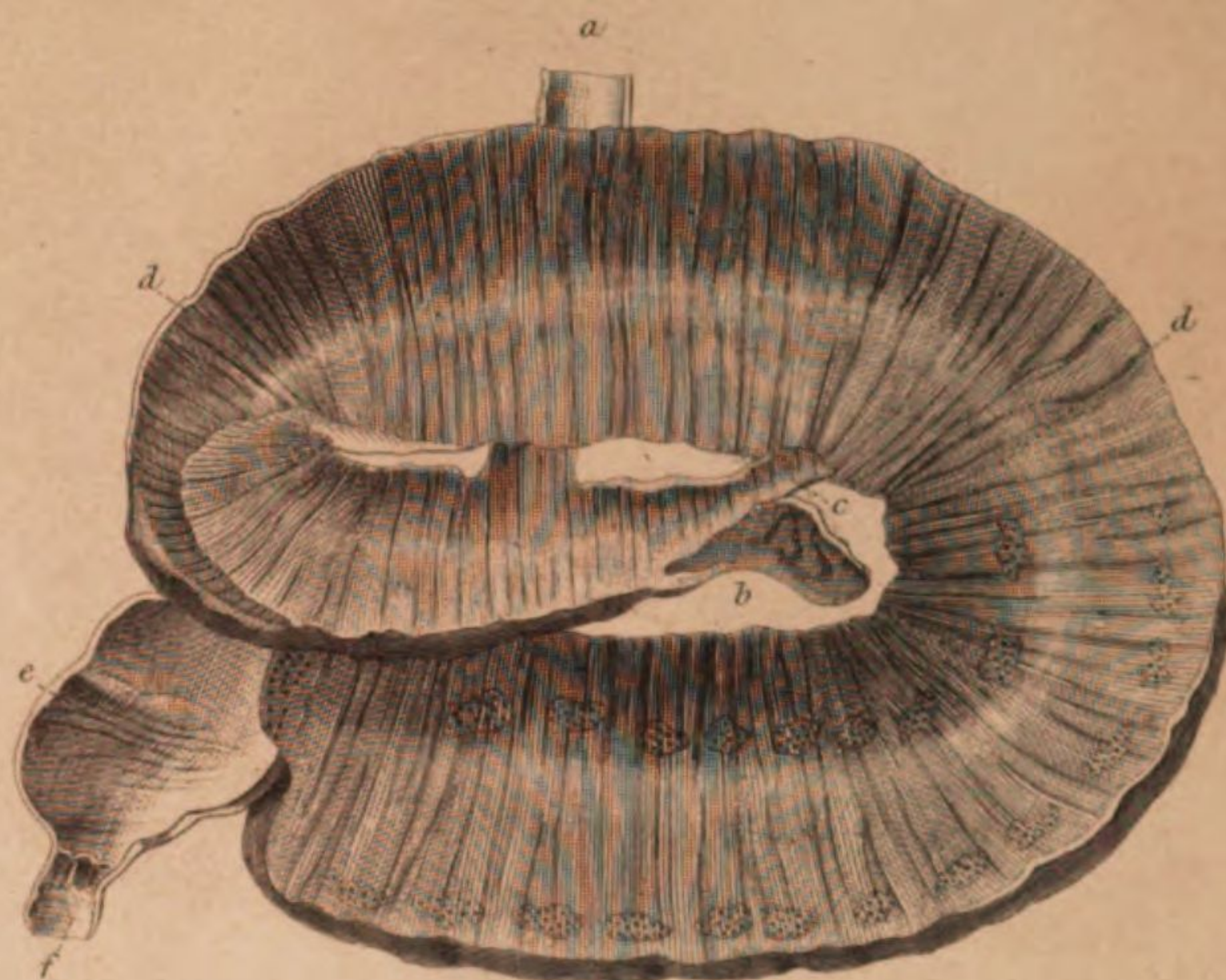
Julus Terrestris.

ZOOLOGY.

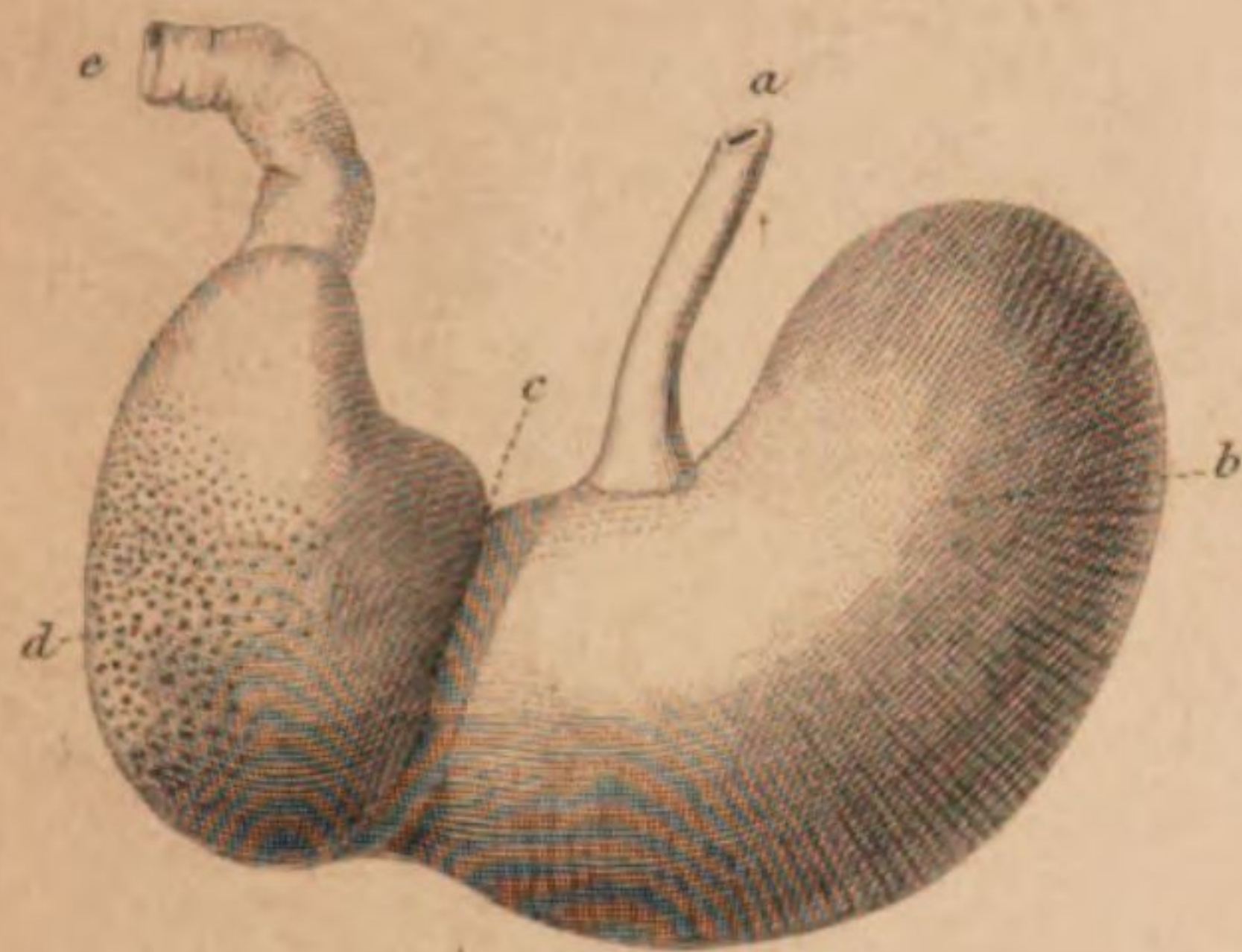
Alimentary Canal N°4.



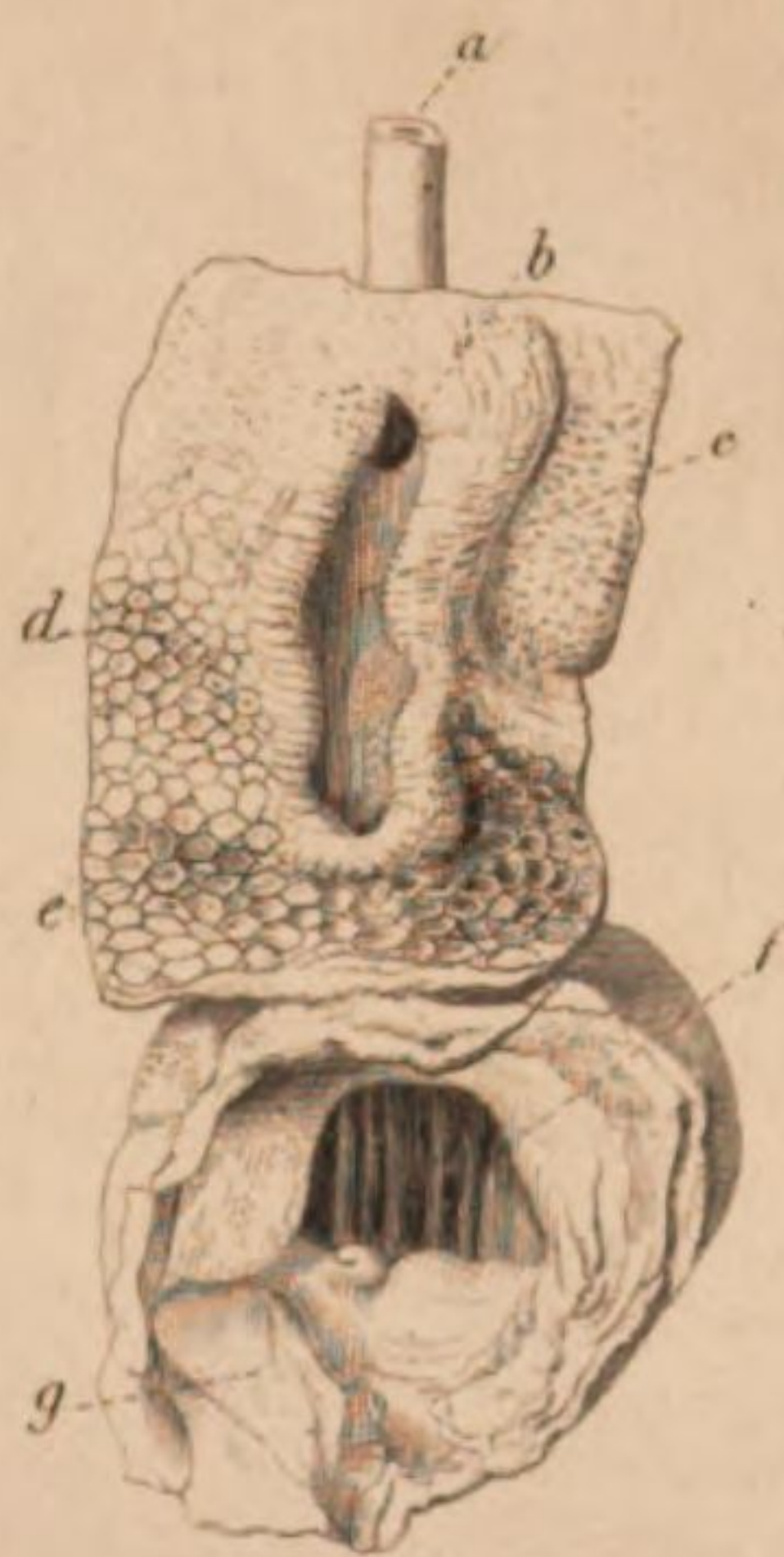
Sus Scrofa — *Swine*.



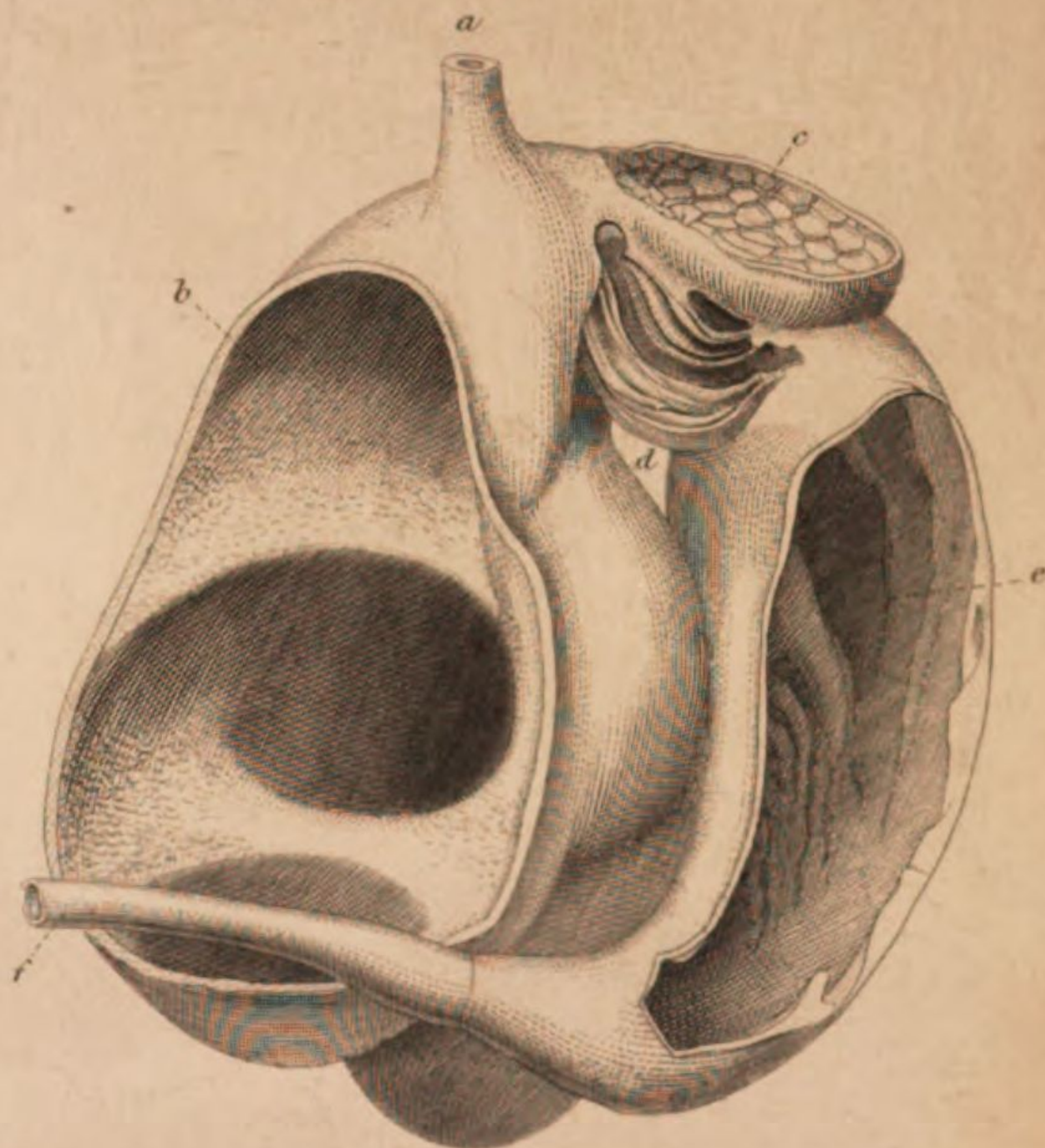
Macropus Giganteus — *Kangaroo*.



Lepus Timidus — *Hare*.



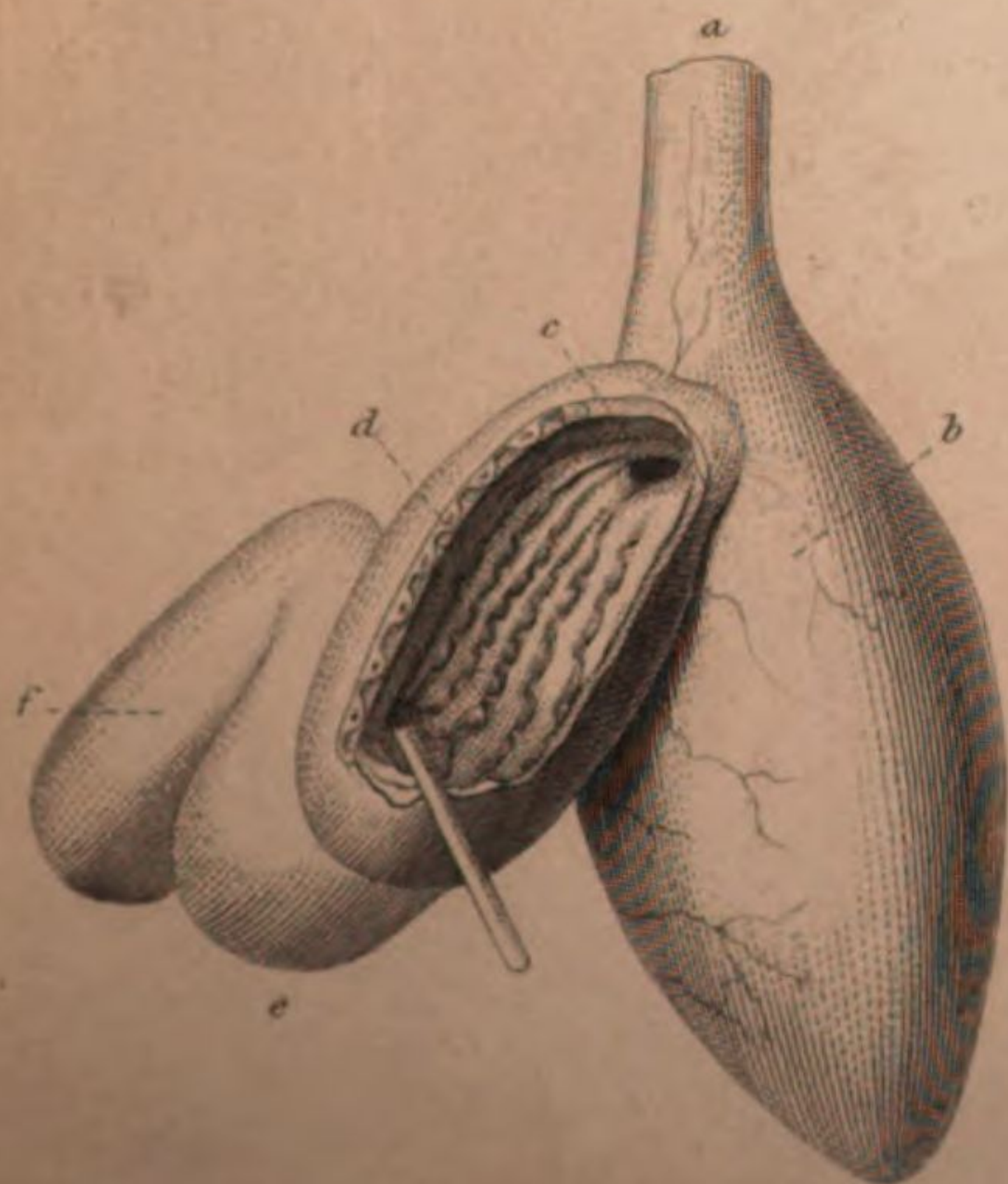
Bos Taurus — *Calf*.



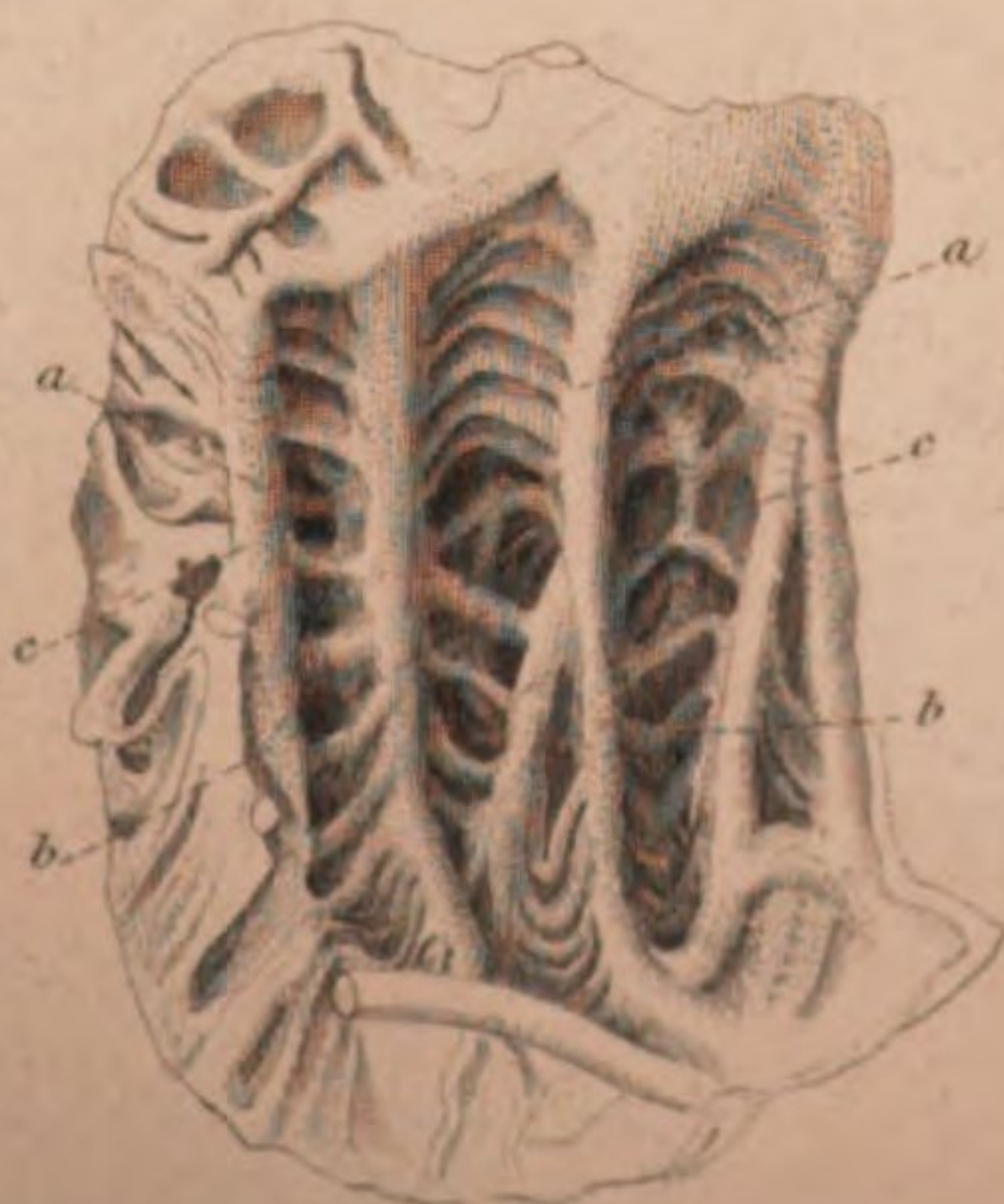
Ovis Aries — *Sheep*.



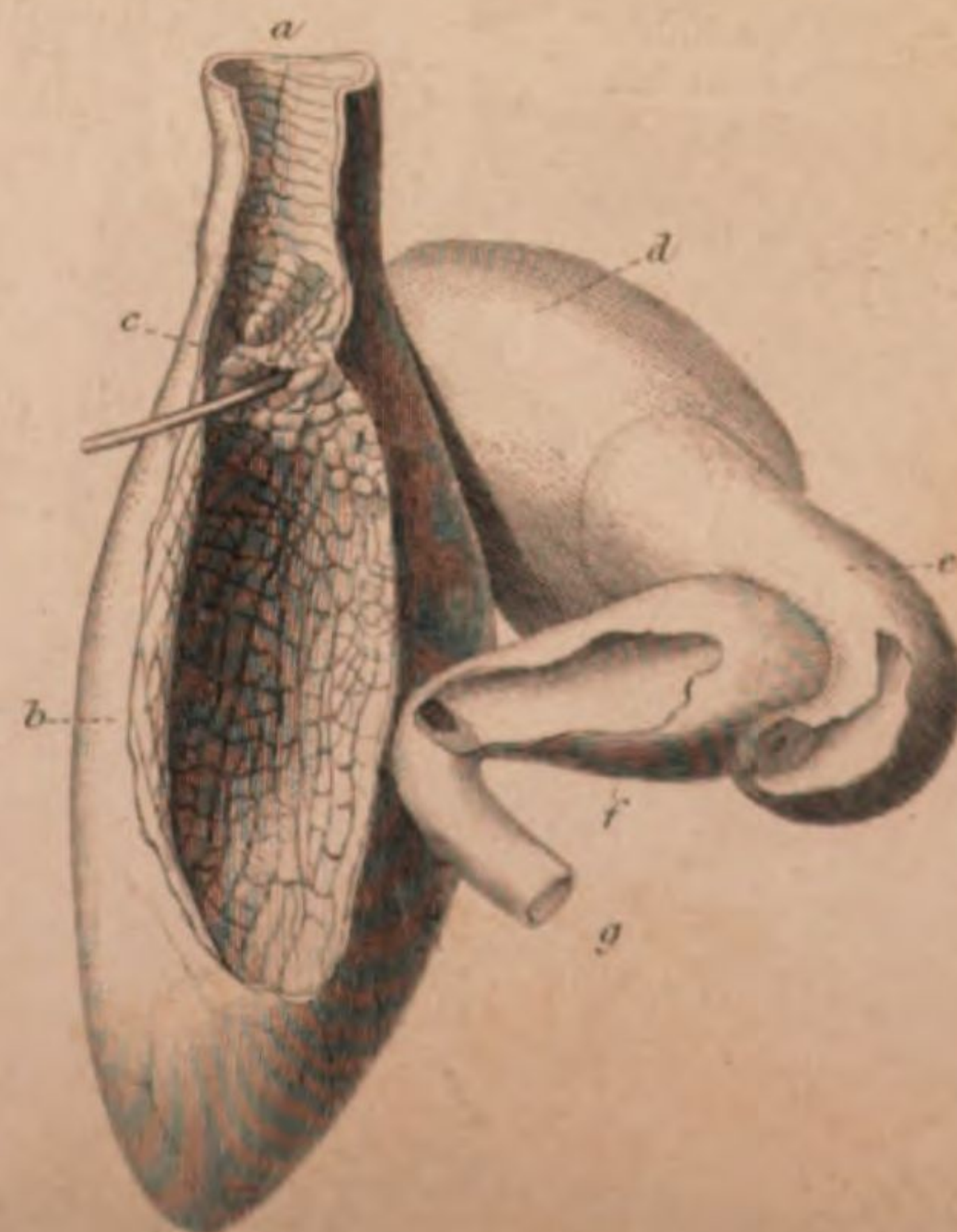
Pteropus — *Vampire Bat*.



Phocaena Vulgaris — *Porpoise*.



Camelus Bactrianus — *Camel*.

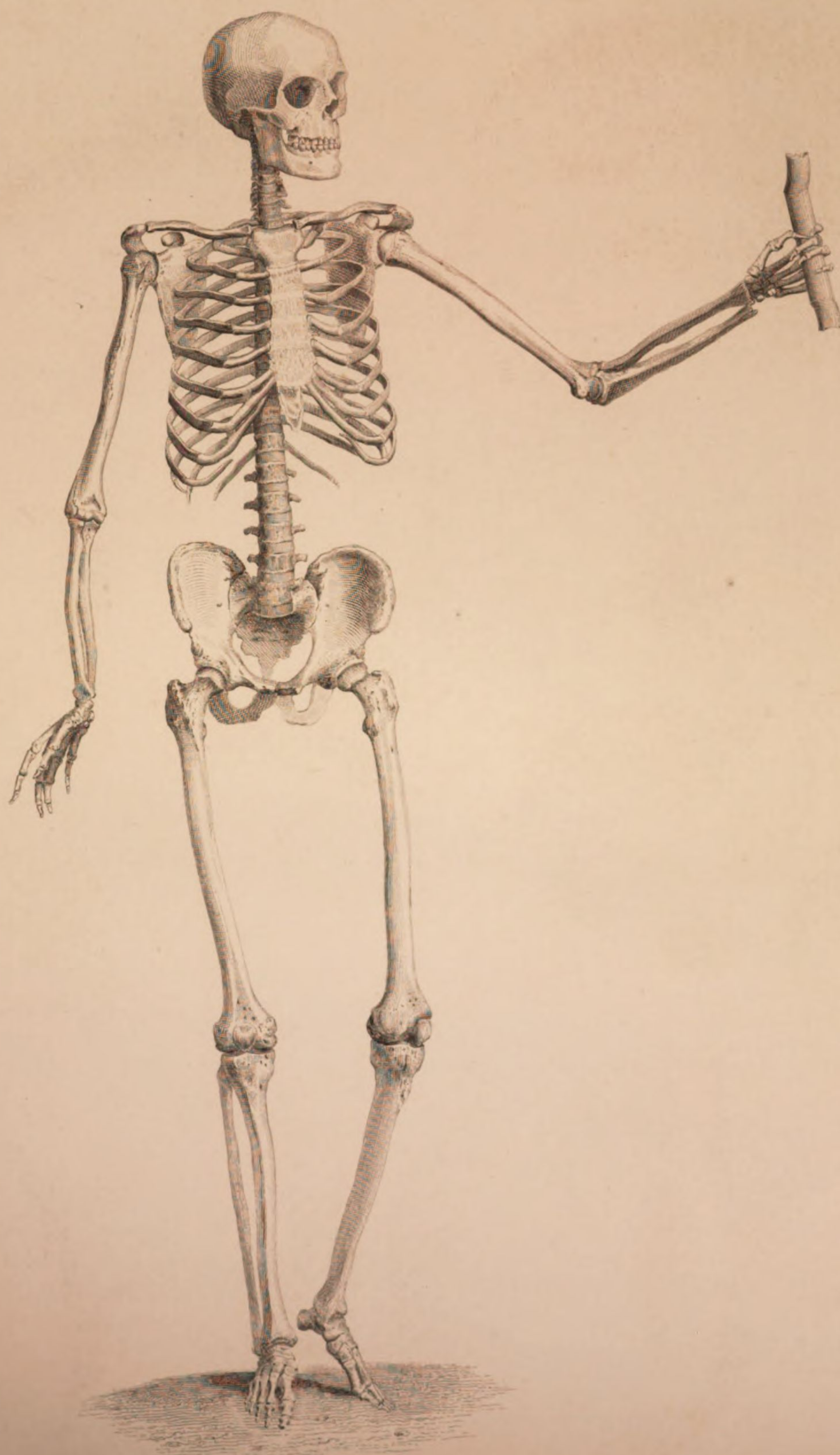


Phocaena Vulgaris — *Porpoise*.

J.W. Lowry sculp.

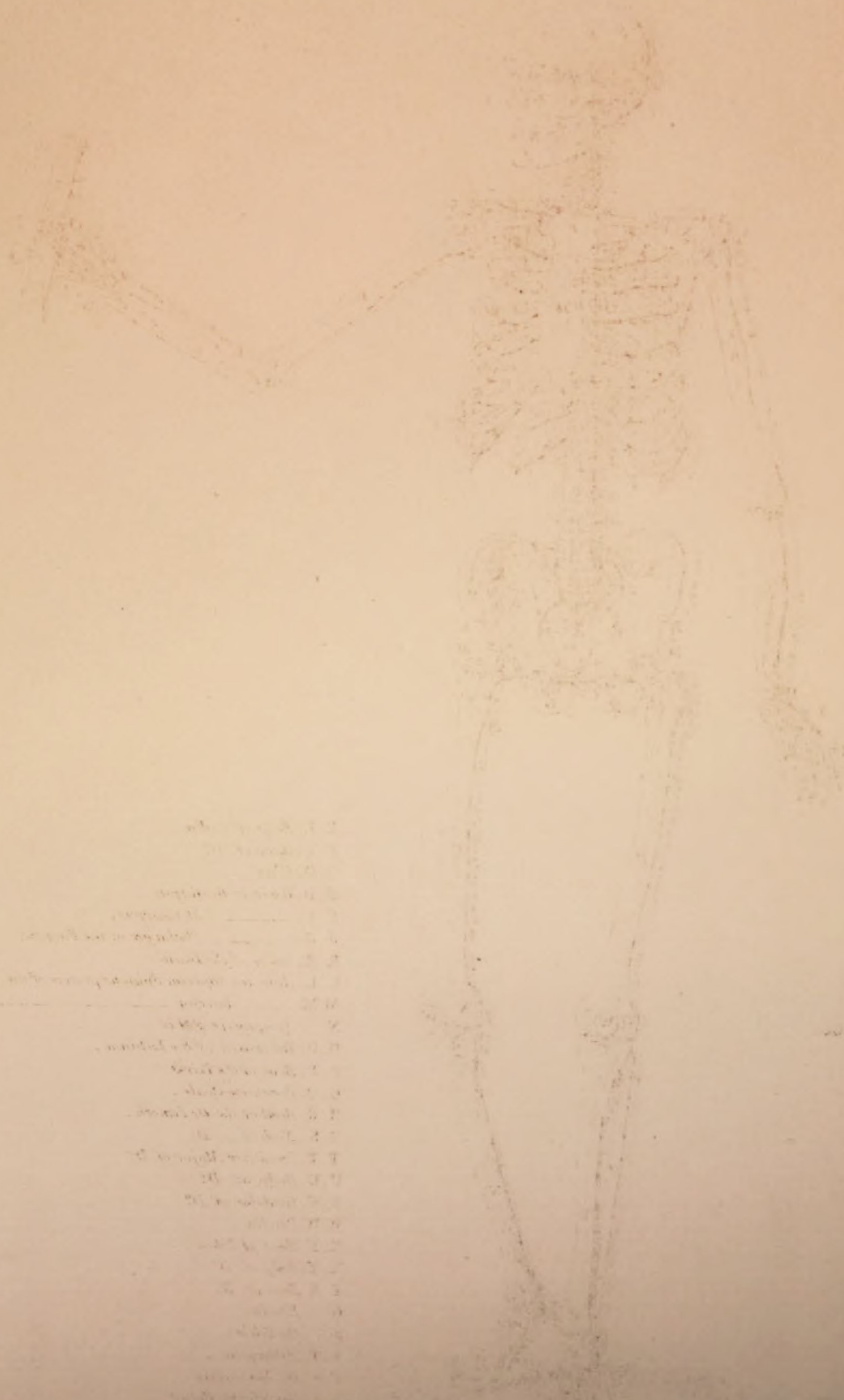
1871

Front View of the Male Skeleton.



APOLLO BELVIDERE

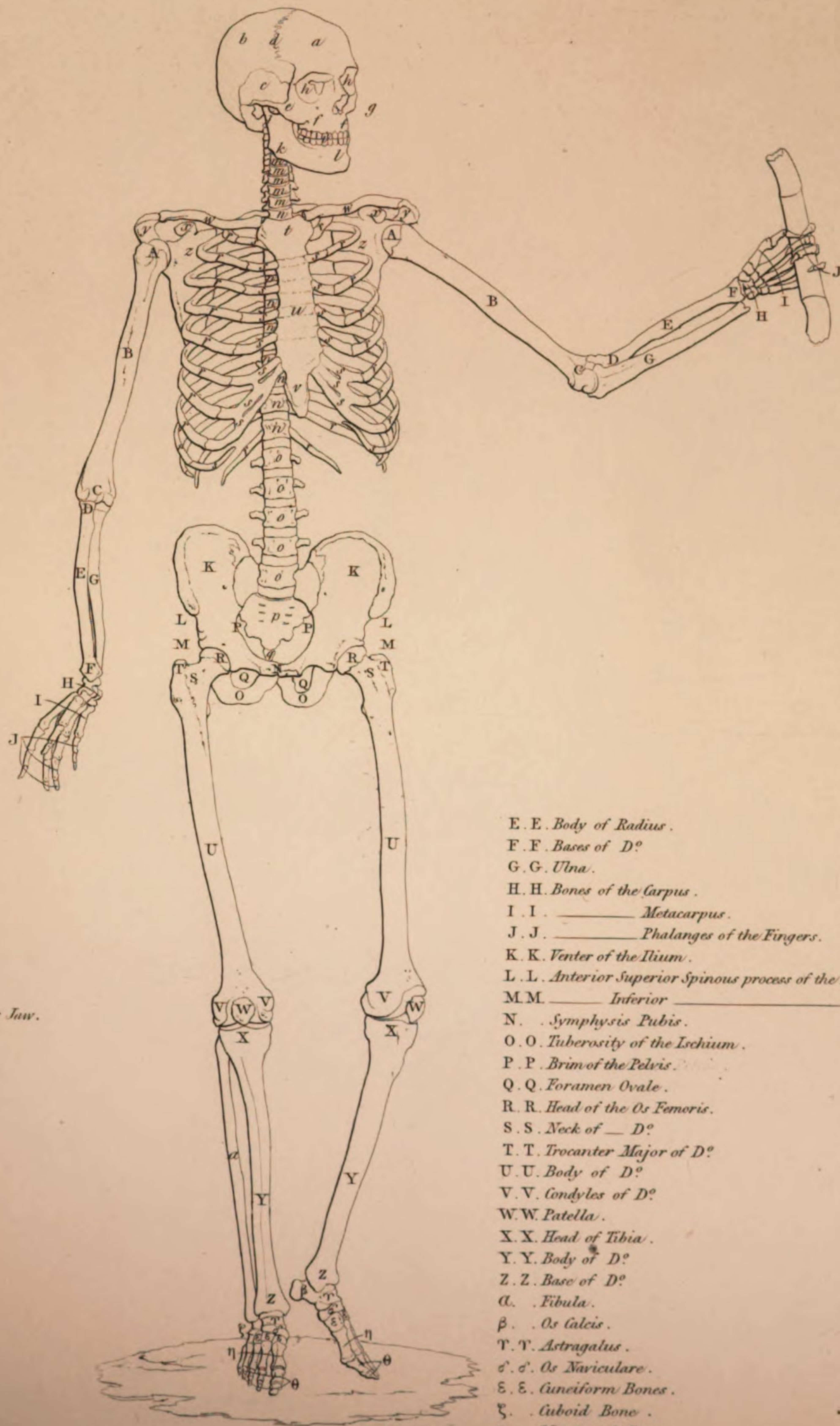
Diagram of the Human Skeleton



1. Skull
2. Cervical Vertebrae
3. Thoracic Vertebrae
4. Lumbar Vertebrae
5. Sacrum
6. Pelvis
7. Femur
8. Tibia
9. Fibula
10. Humerus
11. Radius
12. Ulna
13. Carpals
14. Metacarpals
15. Phalanges
16. Tarsals
17. Metatarsals
18. Phalanges
19. Clavicle
20. Scapula
21. Sternum
22. Ribs
23. Costal Cartilages
24. Xiphoid Process
25. Hyoid Bone
26. Larynx
27. Trachea
28. Esophagus
29. Stomach
30. Duodenum
31. Jejunum
32. Ileum
33. Cecum
34. Sigmoid Colon
35. Rectum
36. Anus
37. Uterus
38. Vagina
39. Vulva
40. Clitoris
41. Labia
42. Perineum
43. Anal Canal
44. Anal Pouch
45. Hemorrhoids
46. Prostate Gland
47. Utricle
48. Bulbourethral Gland
49. Vas Deferens
50. Epididymis
51. Testis
52. Scrotum
53. Penile Sheath
54. Penis
55. Urethra
56. Uterine Tube
57. Fallopian Tube
58. Ovary
59. Vagina
60. Vulva

1. Skull
2. Cervical Vertebrae
3. Thoracic Vertebrae
4. Lumbar Vertebrae
5. Sacrum
6. Pelvis
7. Femur
8. Tibia
9. Fibula
10. Humerus
11. Radius
12. Ulna
13. Carpals
14. Metacarpals
15. Phalanges
16. Tarsals
17. Metatarsals
18. Phalanges
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53. Penile Sheath
54. Penis
55. Urethra
56. Uterine Tube
57. Fallopian Tube
58. Ovary
59. Vagina
60. Vulva

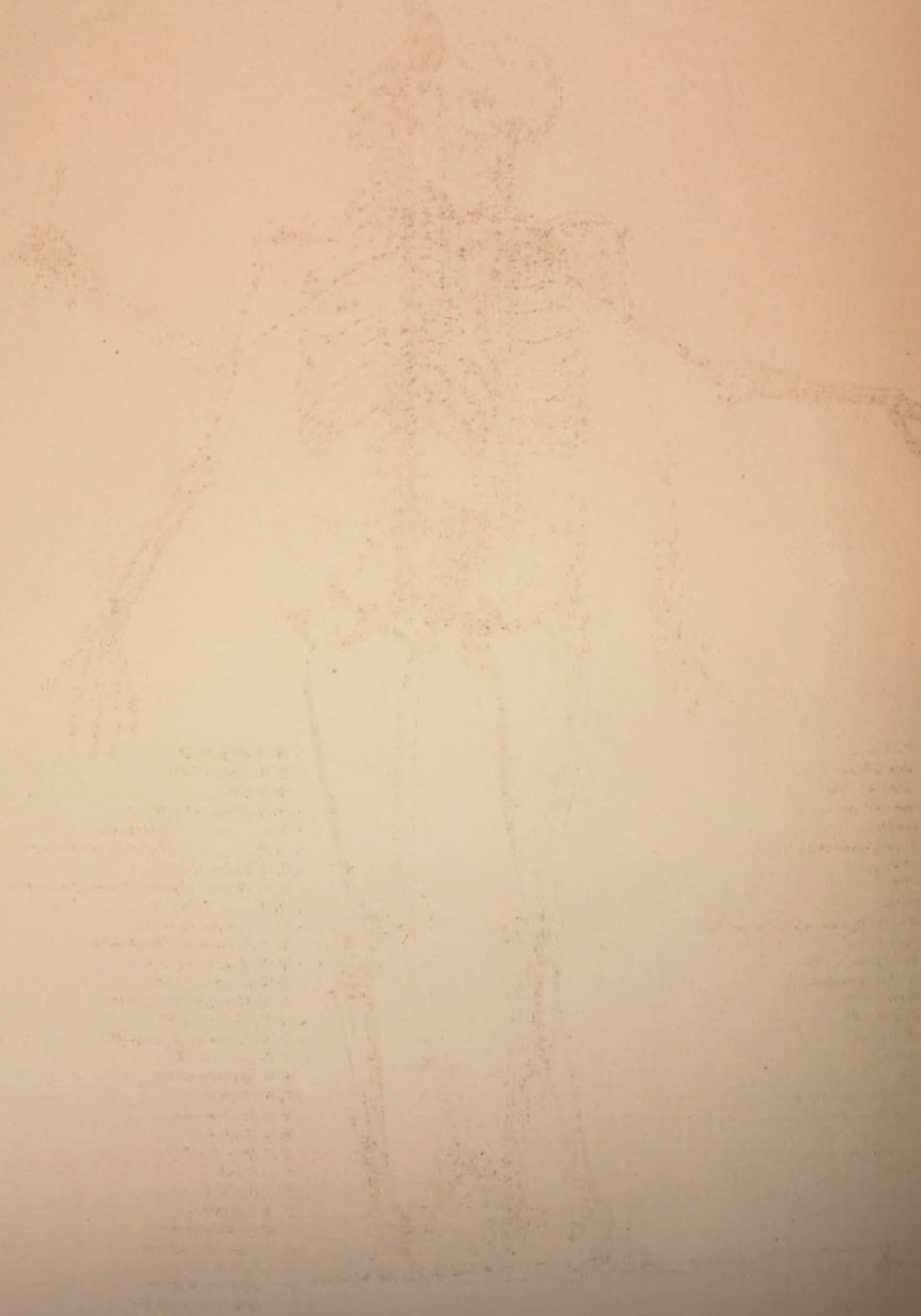
Reference to the Front View of the Male Skeleton.



- a. Os Frontis.
 b. Parietal Bone.
 c. Temporal Bone.
 d. Coronal Suture.
 e. Os Malæ.
 f. f. Superior Maxillary Bone.
 g. g. Ossa Nasi.
 h. h. Orbits.
 i. Teeth.
 j. Condylod process of the lower Jaw.
 k. Angle of D^o.
 l. Symphysis of D^o.
 m. m. Cervical Vertebra.
 n. n. Dorsal — D^o.
 o. o. Lumbar — D^o.
 p. Os Sacrum.
 q. Os Coccygis.
 r. r. Ribs.
 s. s. Cartilages of the Ribs.
 t. First bone of the Sternum.
 u. Second bone of D^o.
 v. Cartilago Ensiformis.
 w. w. Clavicles.
 x. x. Coracoid process of Scapula.
 y. y. Acromion of Scapula.
 z. z. Venter of D^o.
 A. A. Head of the Os Humeri.
 B. B. Body of — D^o.
 C. C. Condyles of D^o.
 D. D. Head of Radius.

- E. E. Body of Radius.
 F. F. Bases of D^o.
 G. G. Ulna.
 H. H. Bones of the Carpus.
 I. I. ——— Metacarpus.
 J. J. ——— Phalanges of the Fingers.
 K. K. Venter of the Ilium.
 L. L. Anterior Superior Spinous process of the Ilium.
 M. M. ——— Inferior ——— D^o.
 N. Symphysis Pubis.
 O. O. Tuberosity of the Ischium.
 P. P. Brim of the Pelvis.
 Q. Q. Foramen Ovale.
 R. R. Head of the Os Femoris.
 S. S. Neck of — D^o.
 T. T. Trochanter Major of D^o.
 U. U. Body of D^o.
 V. V. Condyles of D^o.
 W. W. Patella.
 X. X. Head of Tibia.
 Y. Y. Body of D^o.
 Z. Z. Base of D^o.
 α. Fibula.
 β. Os Calcis.
 γ. γ. Astragalus.
 δ. δ. Os Naviculare.
 ε. ε. Cuneiform Bones.
 ζ. Cuboid Bone.
 η. Metatarsal Bones.
 θ. Phalanges of the Toes.

Handwritten text at the top of the page, possibly a title or header.



Handwritten text in the bottom left corner, appearing as a list or series of notes.

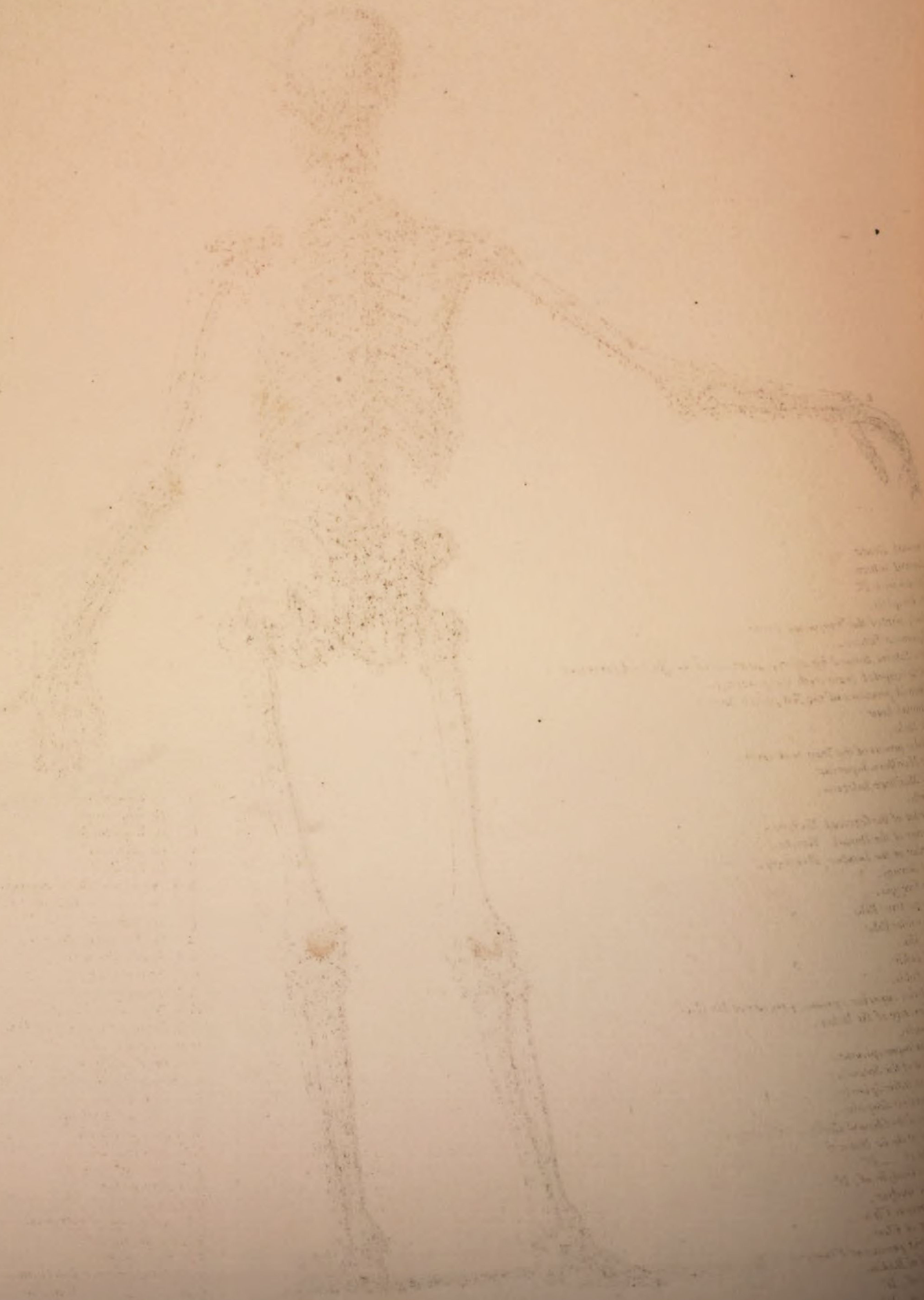
Handwritten text in the bottom right corner, appearing as a list or series of notes.

ANATOMY.
Back View of the Male Skeleton.

Plate 2.



Handwritten title or header at the top of the page.

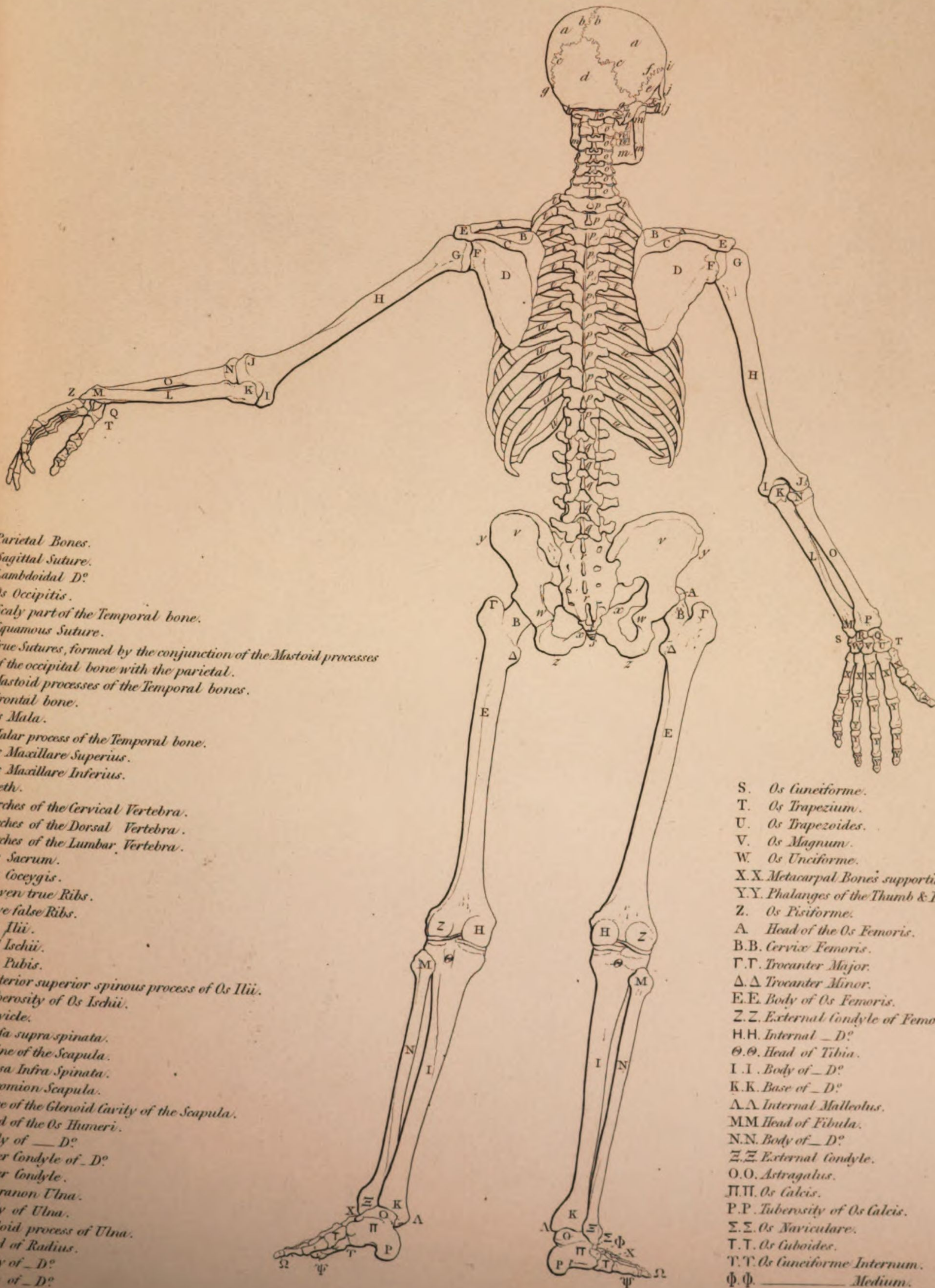


Handwritten text on the right side of the page, likely a list or description of anatomical features, written in a cursive script.

ANATOMY.

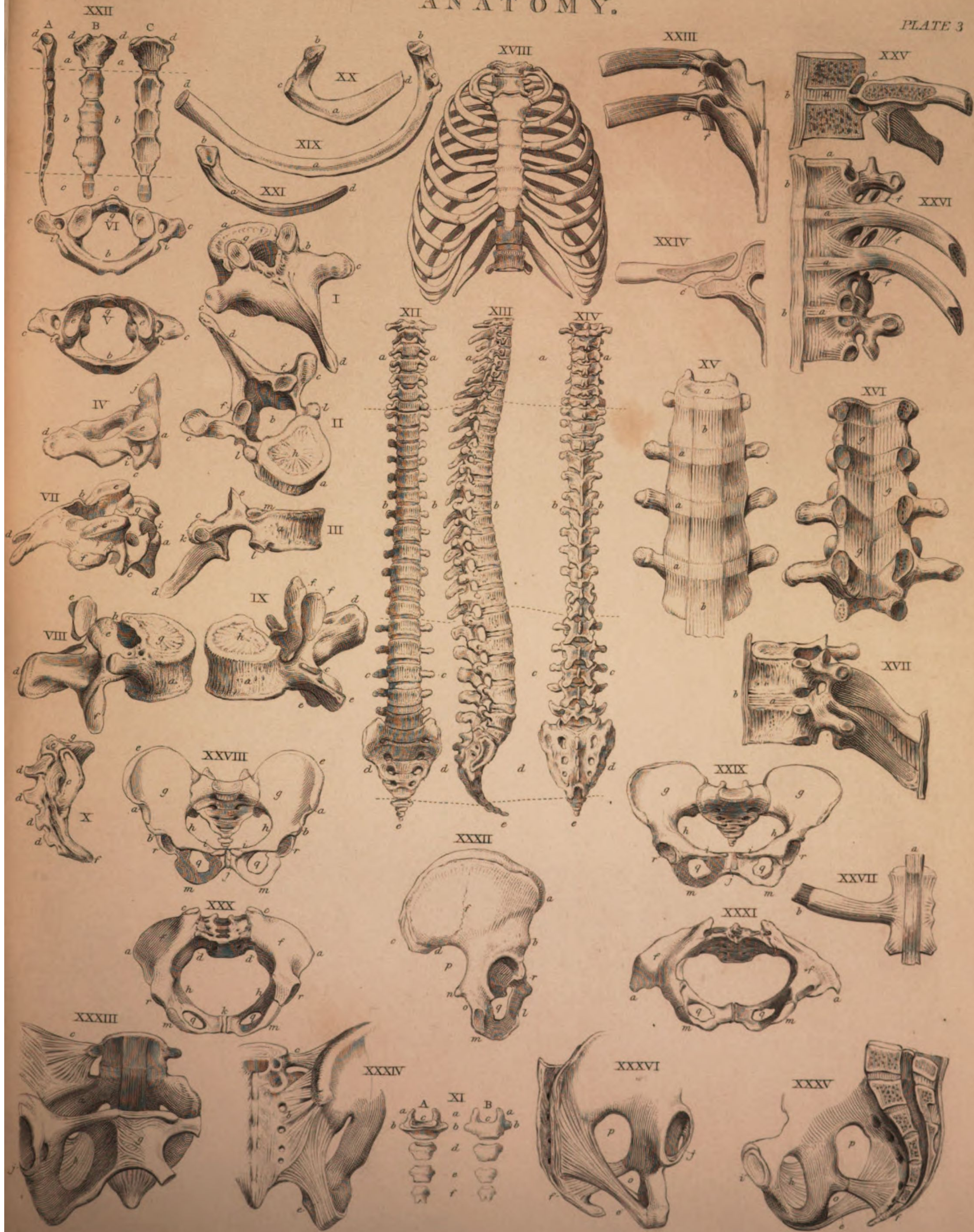
Reference to the Back View of the Male Skeleton.

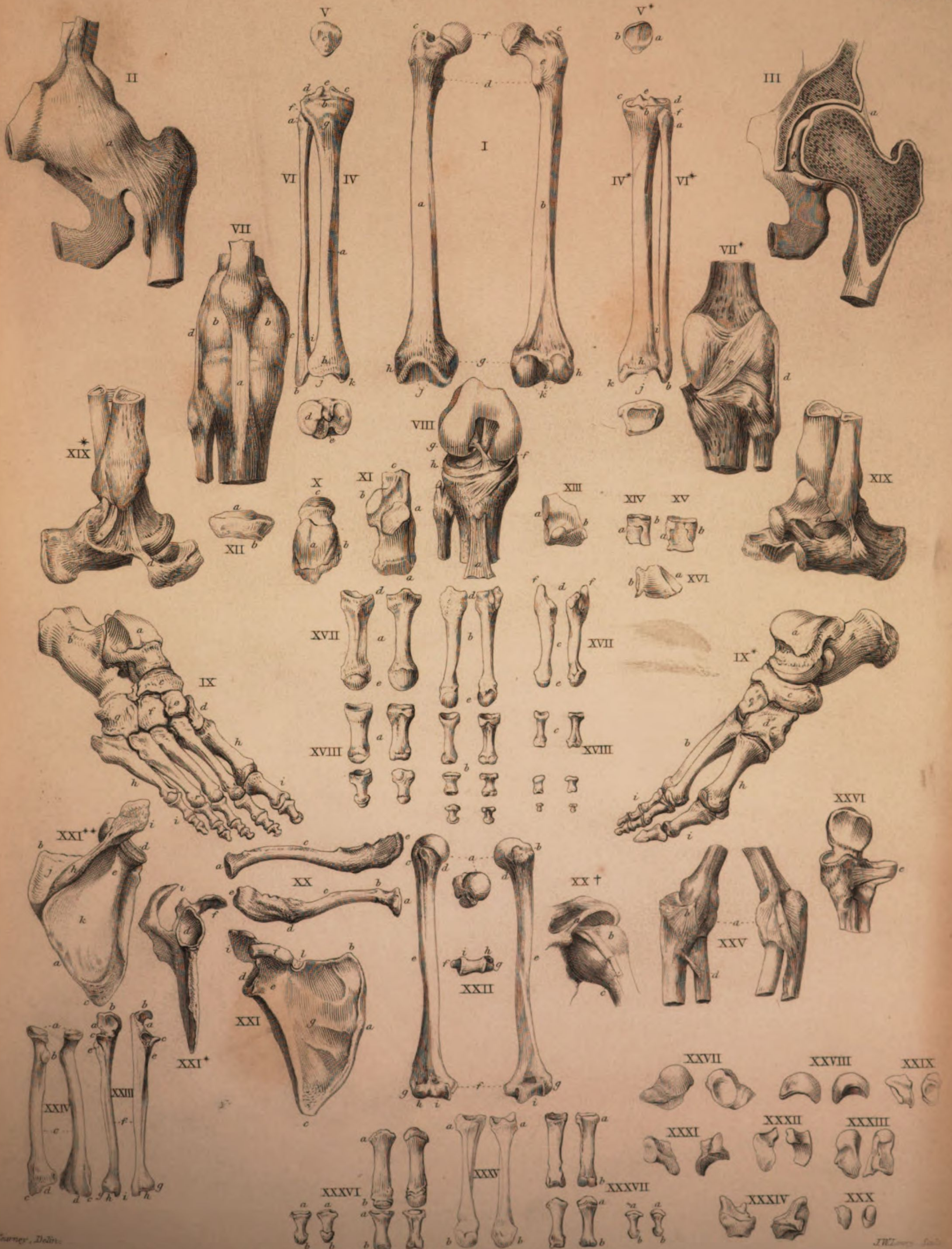
Plate II. N^o 2.



- a. a. Parietal Bones.
- b. b. Sagittal Suture.
- c. c. Lambdoidal D^o.
- d. Os Occipitis.
- e. Scaly part of the Temporal bone.
- f. Squamous Suture.
- g. True Sutures, formed by the conjunction of the Mastoid processes of the occipital bone with the parietal.
- h. Mastoid processes of the Temporal bones.
- i. Frontal bone.
- j. Os Mala.
- k. Malar process of the Temporal bone.
- l. Os Maxillare Superius.
- m. Os Maxillare Inferius.
- n. Teeth.
- o. Arches of the Cervical Vertebra.
- p. Arches of the Dorsal Vertebra.
- q. Arches of the Lumbar Vertebra.
- r. Os Sacrum.
- s. Os Coccygis.
- t. Seven true Ribs.
- u. Five false Ribs.
- v. Os Ilii.
- w. Os Ischii.
- x. Os Pubis.
- y. Anterior superior spinous process of Os Ilii.
- z. Tuberosity of Os Ischii.
- A. Clavicle.
- B. Fossa supra spinata.
- C. Spine of the Scapula.
- D. Fossa Infra Spinata.
- E. Acromion Scapula.
- F. Edge of the Glenoid Cavity of the Scapula.
- G. Head of the Os Humeri.
- H. Body of — D^o.
- I. Inner Condyle of — D^o.
- J. Outer Condyle.
- K. Olecranon Ulna.
- L. Body of Ulna.
- M. Styloid process of Ulna.
- N. Head of Radius.
- O. Body of — D^o.
- P. Base of — D^o.
- Q. Os Scapuloides.
- R. Os Lunare.

- S. Os Cuneiforme.
- T. Os Trapezium.
- U. Os Trapezoides.
- V. Os Magnum.
- W. Os Unciforme.
- X. X. Metacarpal Bones supporting the Thumb & Fingers.
- Y. Y. Phalanges of the Thumb & Fingers.
- Z. Os Pisiforme.
- A. Head of the Os Femoris.
- B. B. Cervix Femoris.
- C. C. Trochanter Major.
- D. D. Trochanter Minor.
- E. E. Body of Os Femoris.
- F. F. External Condyle of Femoris.
- G. G. Internal — D^o.
- H. H. Head of Tibia.
- I. I. Body of — D^o.
- J. J. Base of — D^o.
- K. K. Internal Malleolus.
- L. L. Head of Fibula.
- M. M. Body of — D^o.
- N. N. External Condyle.
- O. O. Astragalus.
- P. P. Os Calcis.
- Q. Q. Tuberosity of Os Calcis.
- R. R. Os Naviculare.
- S. S. Os Cuboides.
- T. T. Os Cuneiforme Internum.
- U. U. ——— Medium.
- V. V. ——— Externum.
- W. W. Metatarsal Bones, supporting the Toes.
- X. X. Phalanges of the Toes.







ANATOMY.

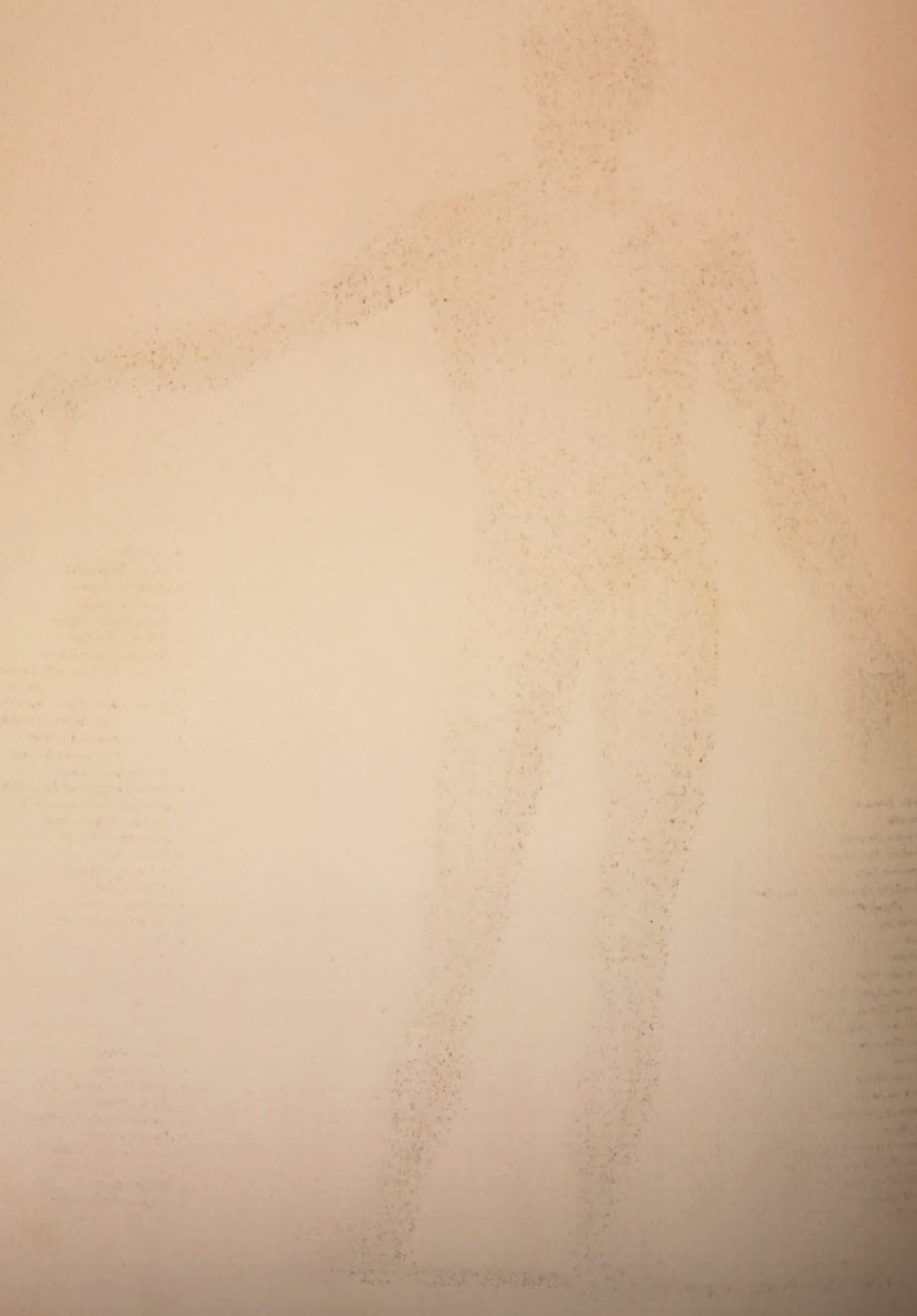
First layer of the Muscles.

Plate 3.



W. & J. W. Lowry, sculp.

THE HISTORY OF THE
CITY OF NEW YORK



THE HISTORY OF THE
CITY OF NEW YORK
FROM THE FIRST
SETTLEMENT
TO THE PRESENT
TIME
BY
JOHN B. HENRY
NEW YORK
1854

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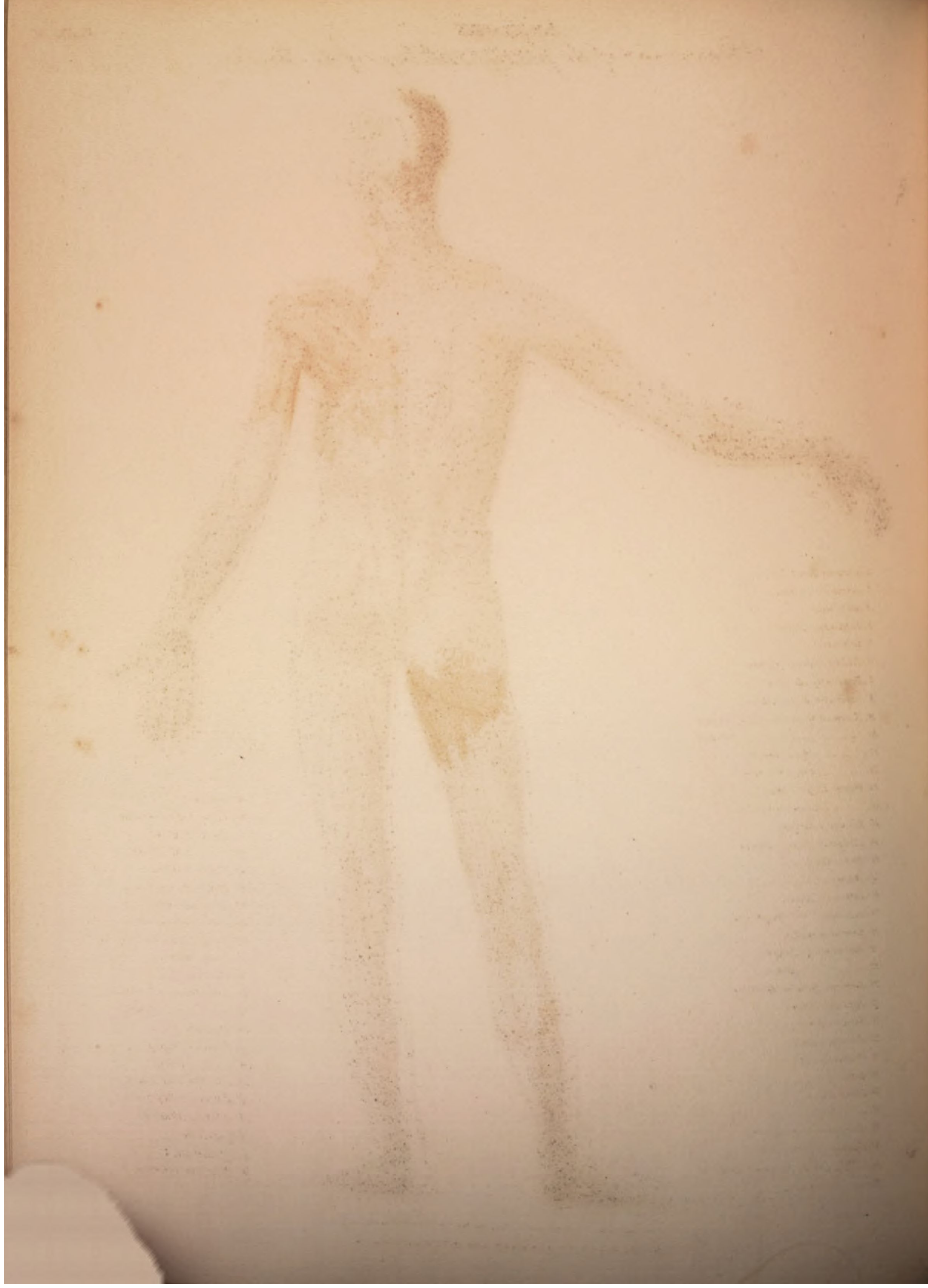


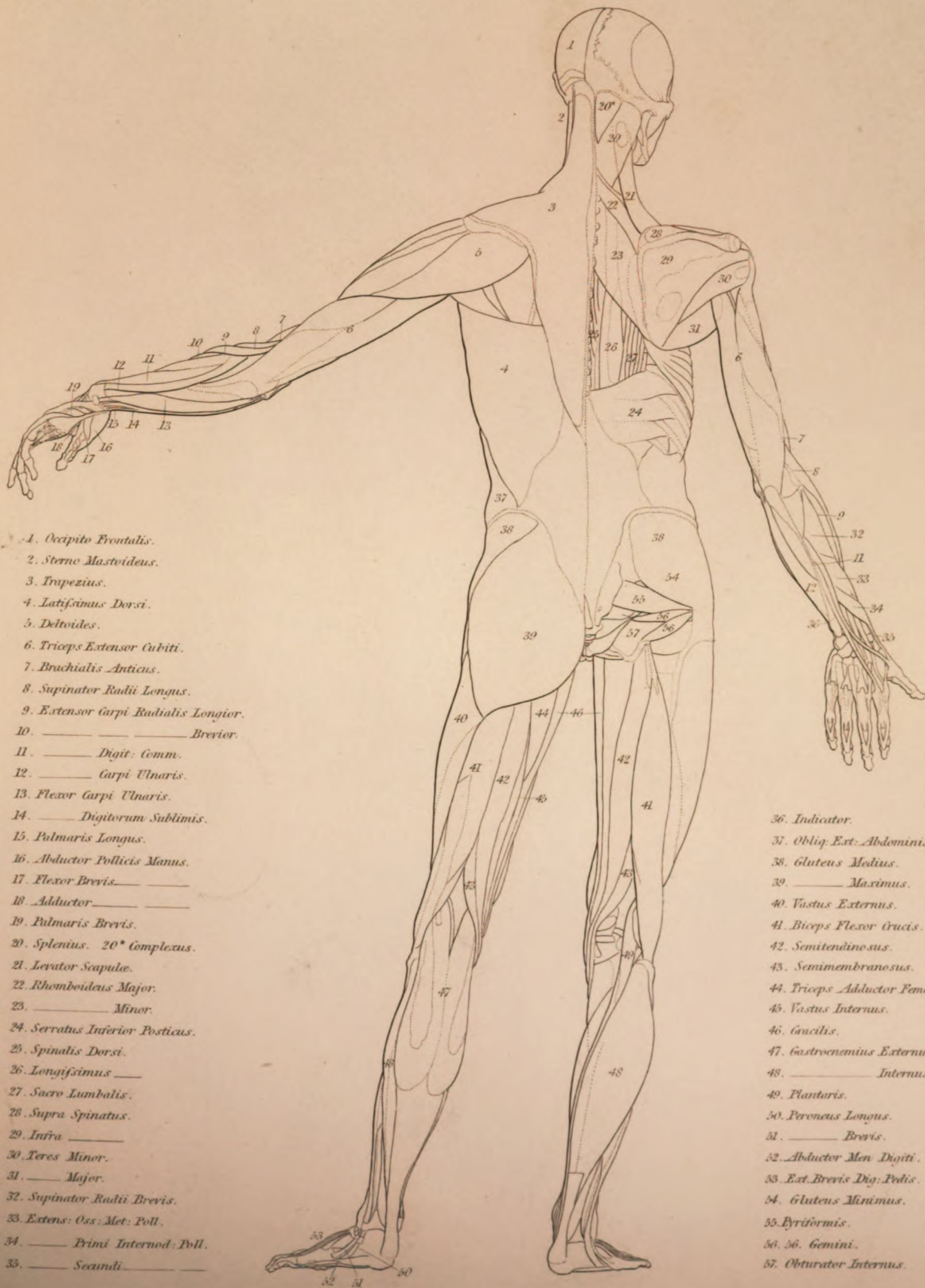
THE ANATOMY OF THE HUMAN BODY.
PLATE I.
THE ANATOMY OF THE HUMAN BODY.
PLATE I.
THE ANATOMY OF THE HUMAN BODY.
PLATE I.

THE ANATOMY OF THE HUMAN BODY.
PLATE I.
THE ANATOMY OF THE HUMAN BODY.
PLATE I.
THE ANATOMY OF THE HUMAN BODY.
PLATE I.

Posterior view of the first & second layer of the Muscles.

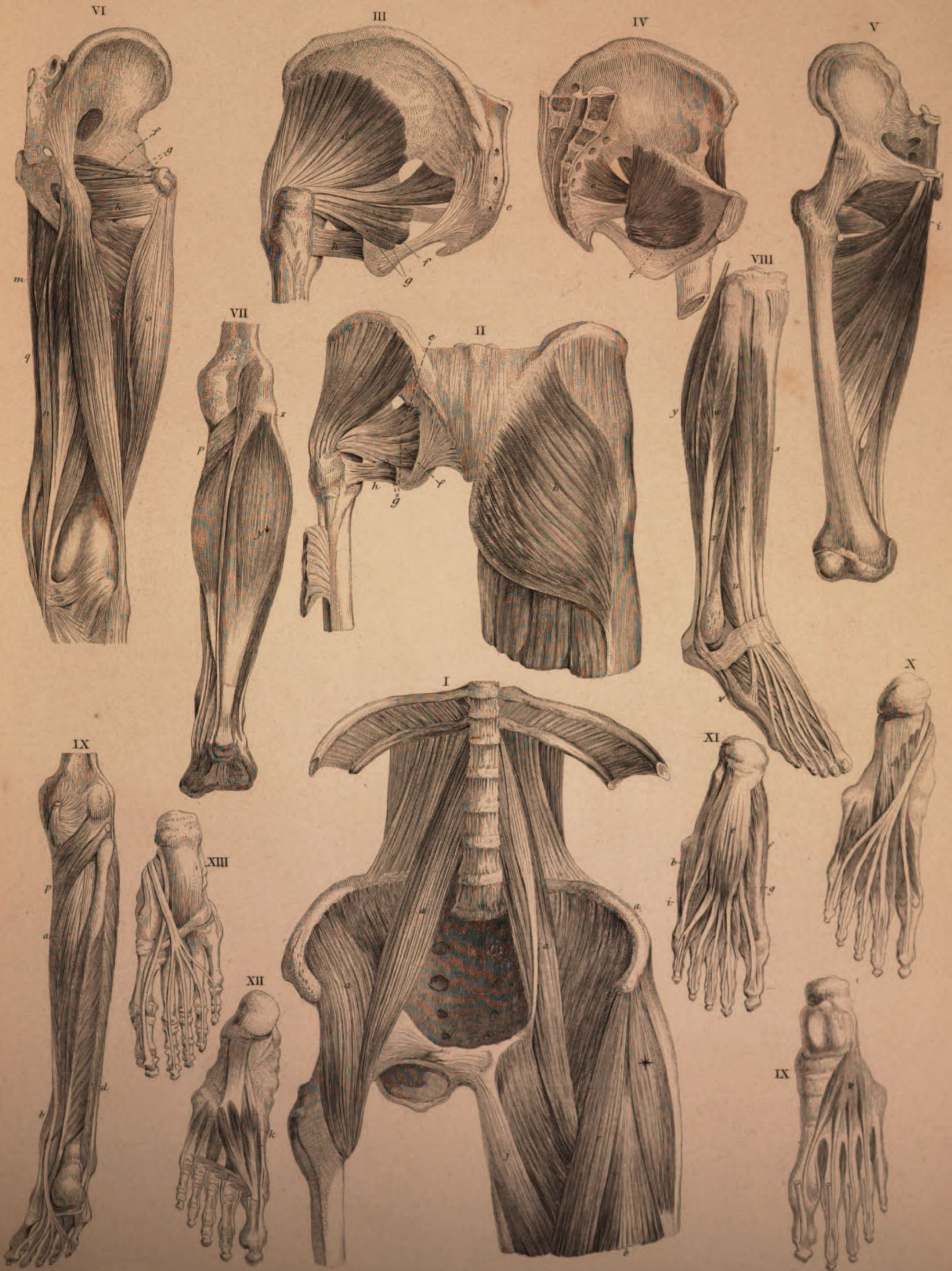


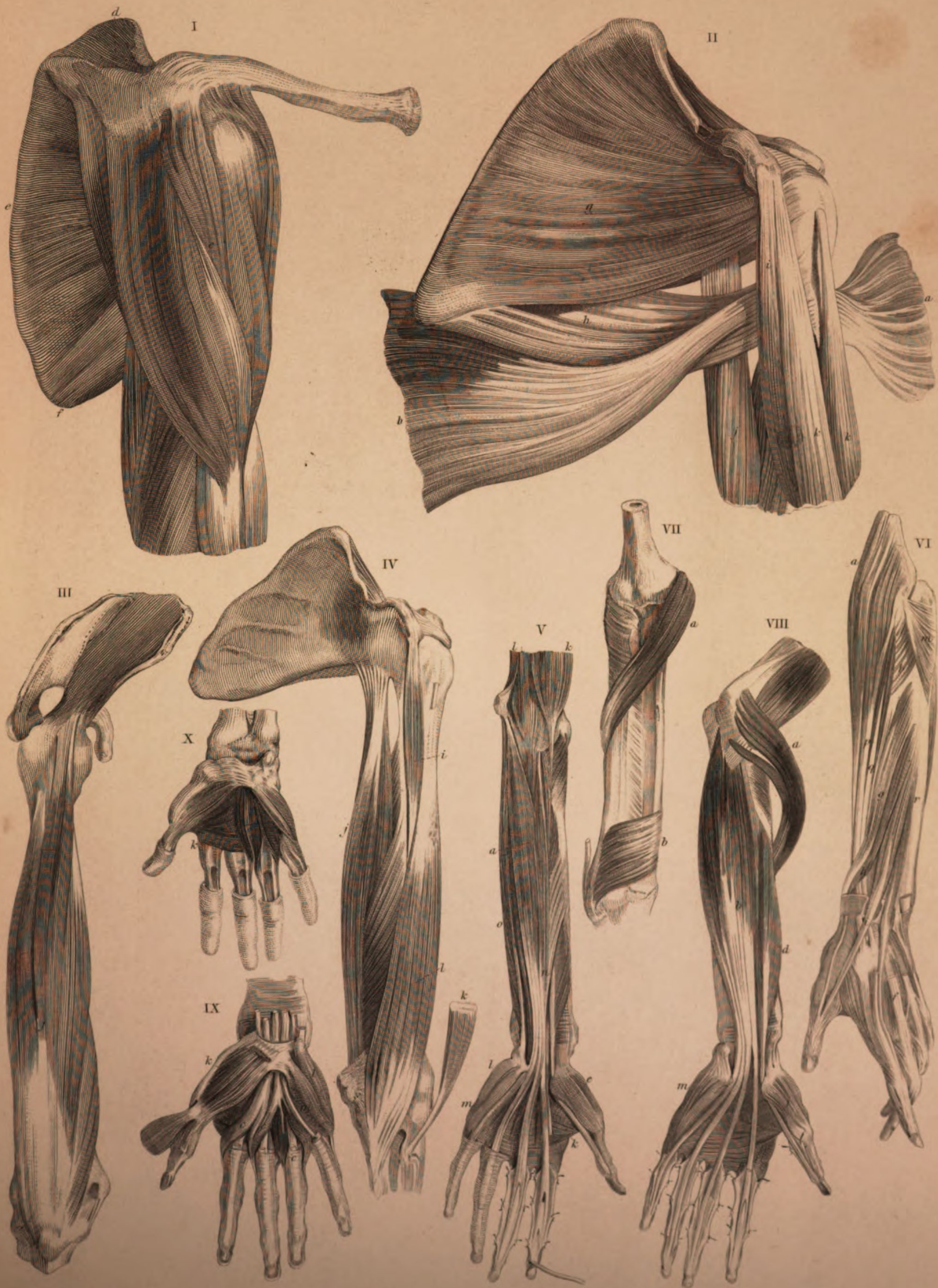




1. *Occipito Frontalis.*
2. *Sterno Mastoideus.*
3. *Trapezius.*
4. *Latissimus Dorsi.*
5. *Deltoides.*
6. *Triceps Extensor Cubiti.*
7. *Brachialis Anticus.*
8. *Supinator Radii Longus.*
9. *Extensor Carpi Radialis Longior.*
10. ———— *Brevior.*
11. ———— *Digit: Comm.*
12. ———— *Carpi Ulnaris.*
13. *Flexor Carpi Ulnaris.*
14. ———— *Digitorum Sublimis.*
15. *Palmaris Longus.*
16. *Abductor Pollicis Manus.*
17. *Flexor Brevis* ————
18. *Adductor* ————
19. *Palmaris Brevis.*
20. *Splenius.* 20* *Complexus.*
21. *Levator Scapulae.*
22. *Rhomboideus Major.*
23. ———— *Minor.*
24. *Serratus Inferior Posticus.*
25. *Spinalis Dorsi.*
26. *Longissimus* ————
27. *Sacro Lumbalis.*
28. *Supra Spinatus.*
29. *Infra* ————
30. *Teres Minor.*
31. ———— *Major.*
32. *Supinator Radii Brevis.*
33. *Extens: Oss: Met: Poll.*
34. ———— *Primi Internod: Poll.*
35. ———— *Secundi* ————

36. *Indicator.*
37. *Obliq: Ext: Abdominis.*
38. *Gluteus Medius.*
39. ———— *Maximus.*
40. *Vastus Externus.*
41. *Biceps Flexor Cruris.*
42. *Semitendinosus.*
43. *Semimembranosus.*
44. *Triceps Adductor Femoris.*
45. *Vastus Internus.*
46. *Gracilis.*
47. *Gastrocnemius Externus.*
48. ———— *Internus.*
49. *Plantaris.*
50. *Peroneus Longus.*
51. ———— *Brevis.*
52. *Abductor Men Digiti.*
53. *Ext. Brevis Dig: Pedis.*
54. *Gluteus Minimus.*
55. *Pyramiformis.*
56. 56. *Gemini.*
57. *Obturator Internus.*

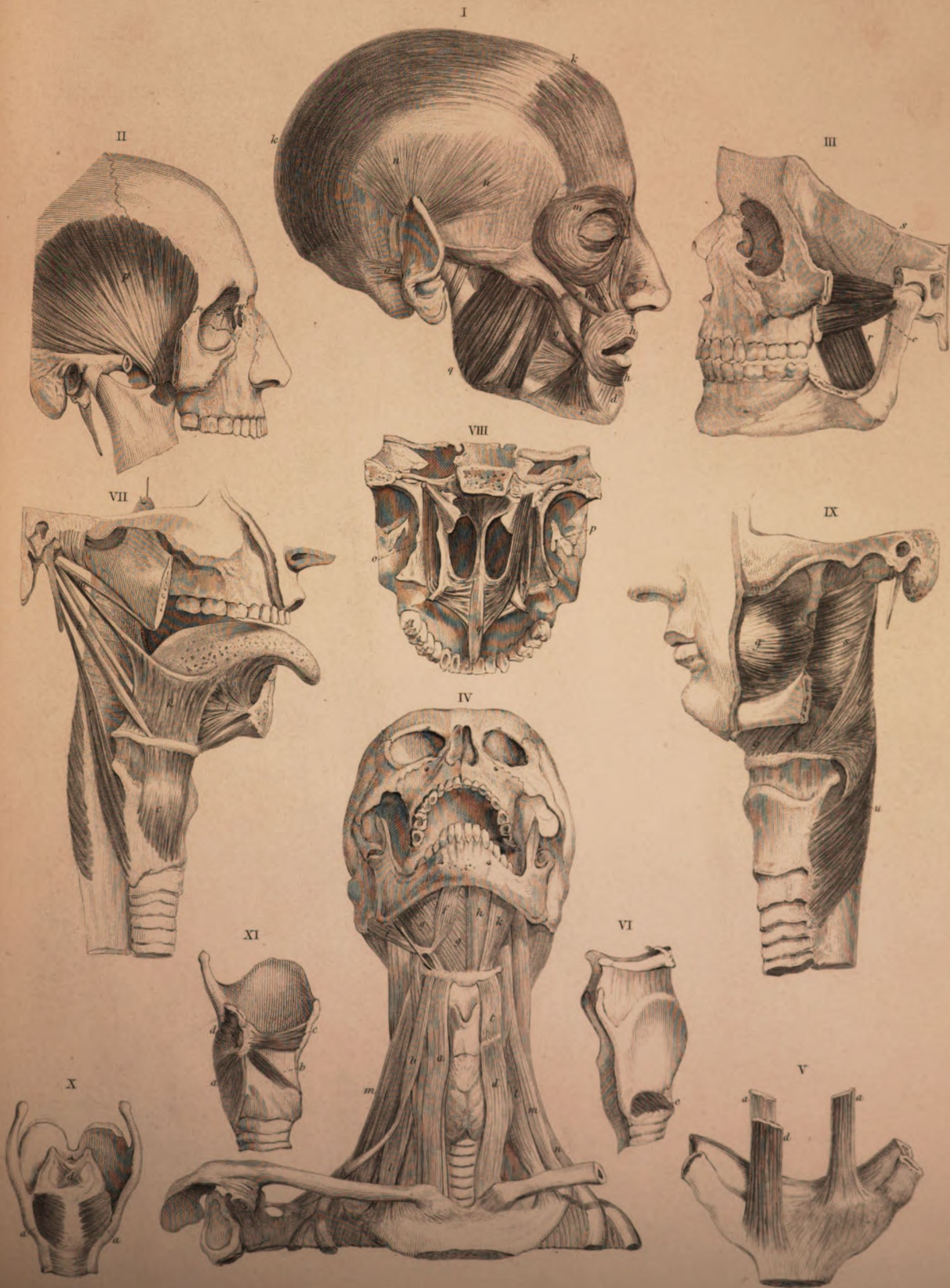




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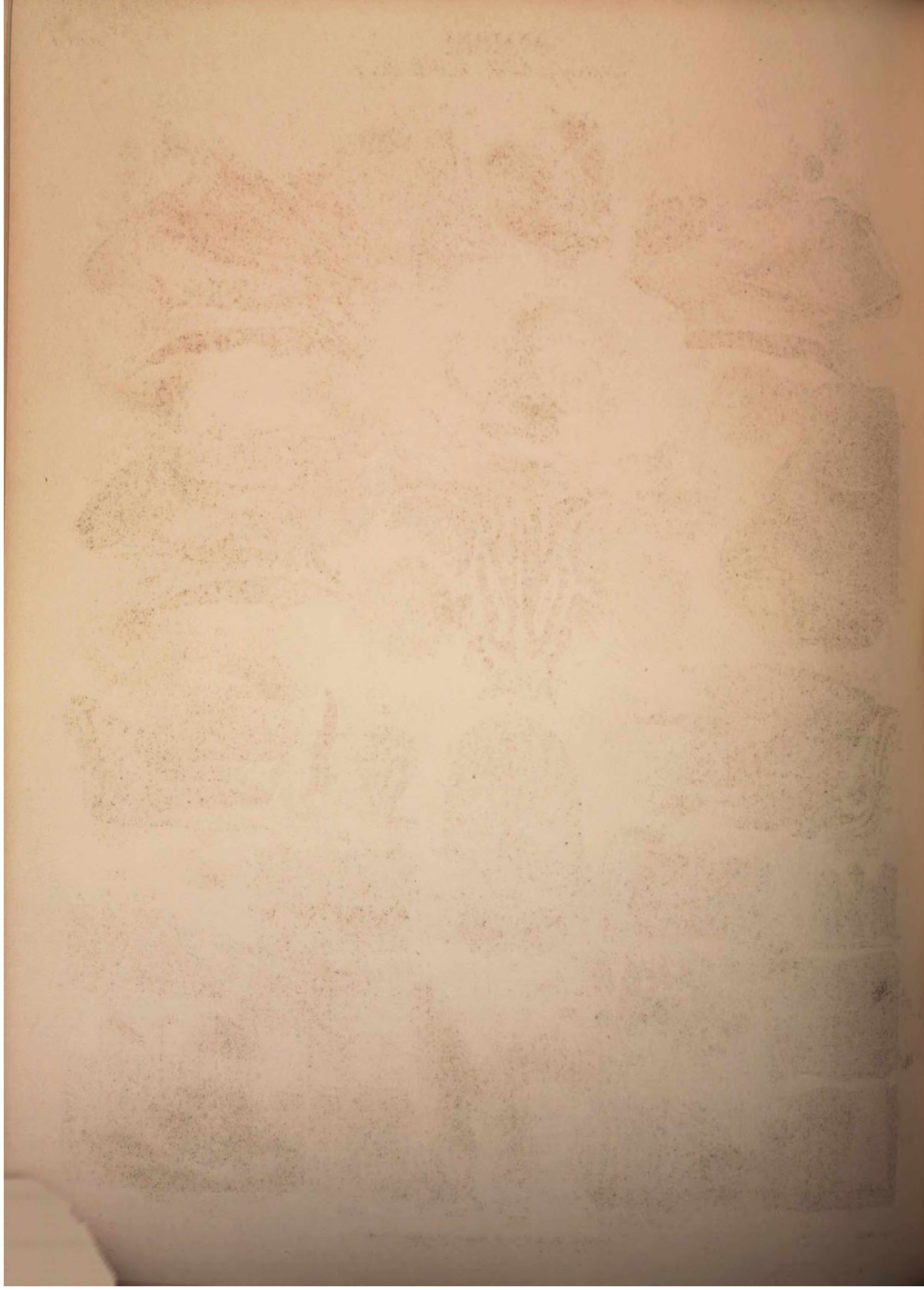




ANATOMY. *Organs of Vision & Hearing.*

PLATE II.





ANATOMY.

Organs of Smell, Taste & Touch.

PLATE 12.

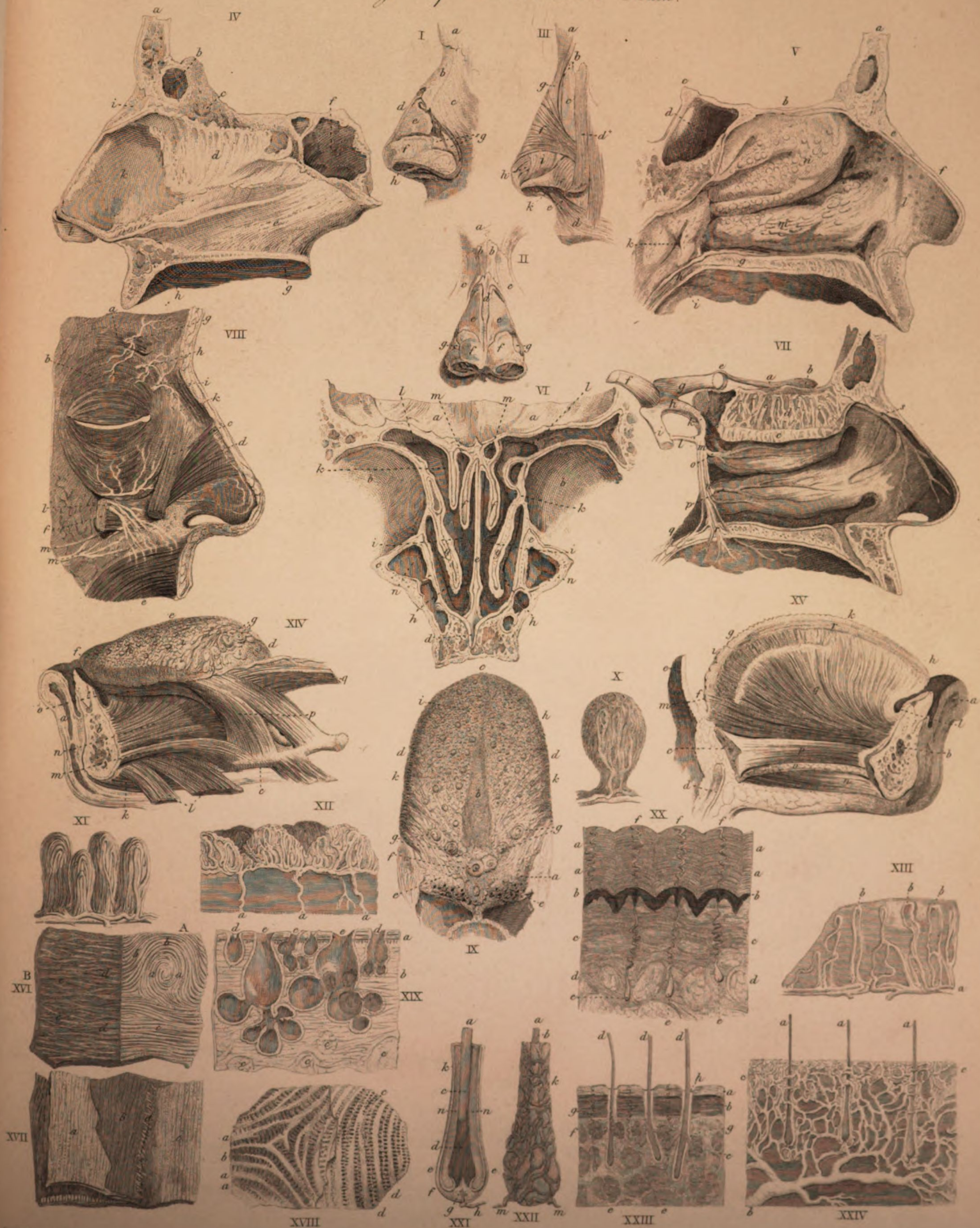




FIG. 1. — SKULL OF A CHICKEN.
A, BEAK; B, JAW; C, EYE; D, EAR;
E, NOSE; F, MOUTH; G, THROAT;
H, LARYNX; I, TRACHEA; J, ESOPHAGUS;
K, STOMACH; L, LIVER; M, PANCREAS;
N, SPLEEN; O, LUNG; P, HEART;
Q, INTESTINE; R, BLADDER; S, UTERUS;
T, VAGINA; U, CLITELLS; V, PENIS;
W, TESTIS; X, EPIDIDYMUS; Y, SEMINAL VESICLE;
Z, PROSTATE; Aa, URETHRA; Bb, VAGINA;
Cc, CLITELLS; Dd, PENIS; Ee, TESTIS;
Ff, EPIDIDYMUS; Gg, SEMINAL VESICLE;
Hh, PROSTATE; Ii, URETHRA; Jj, VAGINA;
Kk, CLITELLS; Ll, PENIS; Mm, TESTIS;
Nn, EPIDIDYMUS; Oo, SEMINAL VESICLE;
Pp, PROSTATE; Qq, URETHRA; Rr, VAGINA;
Ss, CLITELLS; Tt, PENIS; Uu, TESTIS;
Vv, EPIDIDYMUS; Ww, SEMINAL VESICLE;
Xx, PROSTATE; Yy, URETHRA; Zz, VAGINA;

FIG. 2. — SKULL OF A CHICKEN.
A, BEAK; B, JAW; C, EYE; D, EAR;
E, NOSE; F, MOUTH; G, THROAT;
H, LARYNX; I, TRACHEA; J, ESOPHAGUS;
K, STOMACH; L, LIVER; M, PANCREAS;
N, SPLEEN; O, LUNG; P, HEART;
Q, INTESTINE; R, BLADDER; S, UTERUS;
T, VAGINA; U, CLITELLS; V, PENIS;
W, TESTIS; X, EPIDIDYMUS; Y, SEMINAL VESICLE;
Z, PROSTATE; Aa, URETHRA; Bb, VAGINA;
Cc, CLITELLS; Dd, PENIS; Ee, TESTIS;
Ff, EPIDIDYMUS; Gg, SEMINAL VESICLE;
Hh, PROSTATE; Ii, URETHRA; Jj, VAGINA;
Kk, CLITELLS; Ll, PENIS; Mm, TESTIS;
Nn, EPIDIDYMUS; Oo, SEMINAL VESICLE;
Pp, PROSTATE; Qq, URETHRA; Rr, VAGINA;
Ss, CLITELLS; Tt, PENIS; Uu, TESTIS;
Vv, EPIDIDYMUS; Ww, SEMINAL VESICLE;
Xx, PROSTATE; Yy, URETHRA; Zz, VAGINA;

FIG. 3. — SKULL OF A CHICKEN.

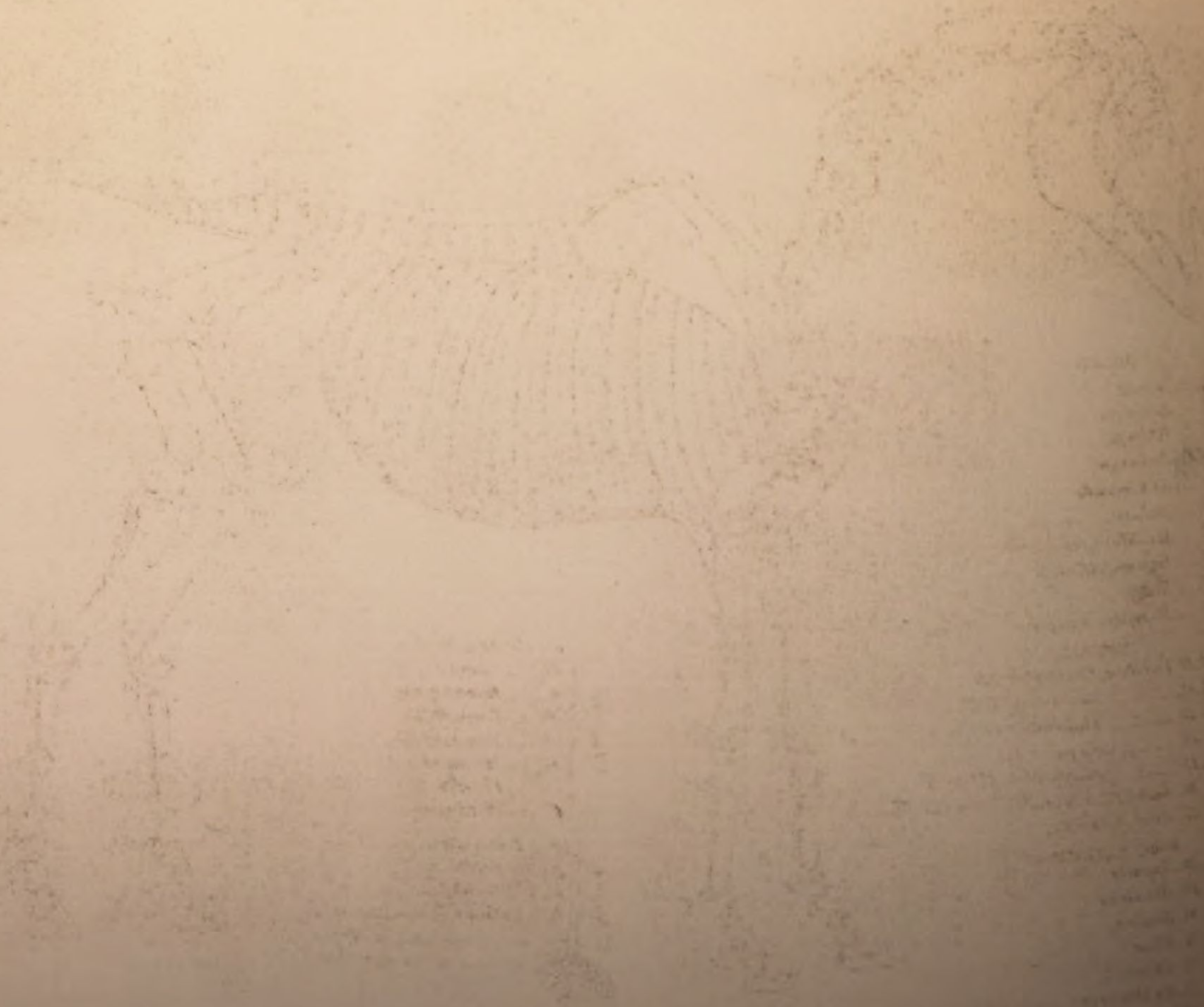
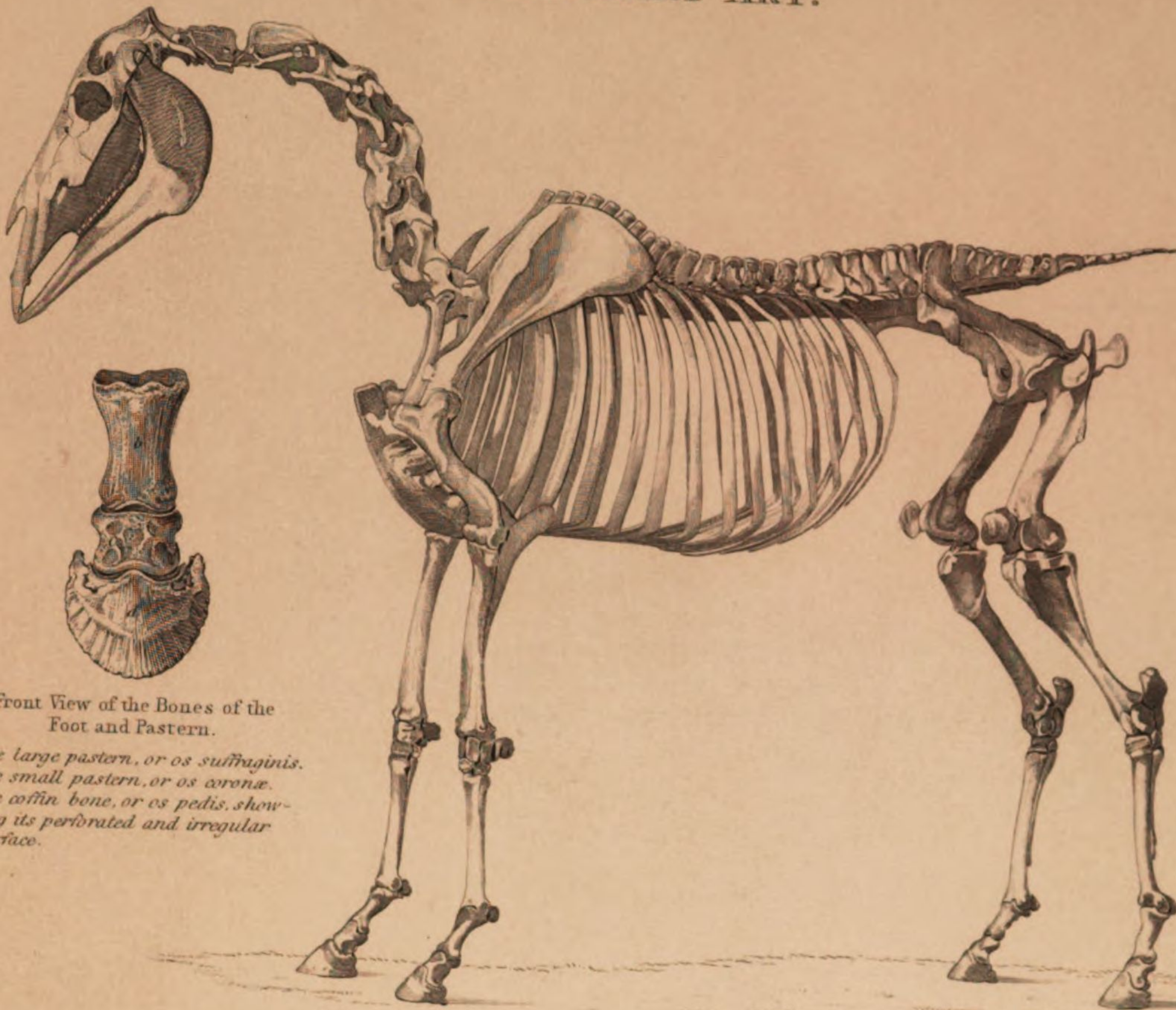


FIG. 4. — SKULL OF A CHICKEN.
A, BEAK; B, JAW; C, EYE; D, EAR;
E, NOSE; F, MOUTH; G, THROAT;
H, LARYNX; I, TRACHEA; J, ESOPHAGUS;
K, STOMACH; L, LIVER; M, PANCREAS;
N, SPLEEN; O, LUNG; P, HEART;
Q, INTESTINE; R, BLADDER; S, UTERUS;
T, VAGINA; U, CLITELLS; V, PENIS;
W, TESTIS; X, EPIDIDYMUS; Y, SEMINAL VESICLE;
Z, PROSTATE; Aa, URETHRA; Bb, VAGINA;
Cc, CLITELLS; Dd, PENIS; Ee, TESTIS;
Ff, EPIDIDYMUS; Gg, SEMINAL VESICLE;
Hh, PROSTATE; Ii, URETHRA; Jj, VAGINA;
Kk, CLITELLS; Ll, PENIS; Mm, TESTIS;
Nn, EPIDIDYMUS; Oo, SEMINAL VESICLE;
Pp, PROSTATE; Qq, URETHRA; Rr, VAGINA;
Ss, CLITELLS; Tt, PENIS; Uu, TESTIS;
Vv, EPIDIDYMUS; Ww, SEMINAL VESICLE;
Xx, PROSTATE; Yy, URETHRA; Zz, VAGINA;

FIG. 5. — SKULL OF A CHICKEN.
A, BEAK; B, JAW; C, EYE; D, EAR;
E, NOSE; F, MOUTH; G, THROAT;
H, LARYNX; I, TRACHEA; J, ESOPHAGUS;
K, STOMACH; L, LIVER; M, PANCREAS;
N, SPLEEN; O, LUNG; P, HEART;
Q, INTESTINE; R, BLADDER; S, UTERUS;
T, VAGINA; U, CLITELLS; V, PENIS;
W, TESTIS; X, EPIDIDYMUS; Y, SEMINAL VESICLE;
Z, PROSTATE; Aa, URETHRA; Bb, VAGINA;
Cc, CLITELLS; Dd, PENIS; Ee, TESTIS;
Ff, EPIDIDYMUS; Gg, SEMINAL VESICLE;
Hh, PROSTATE; Ii, URETHRA; Jj, VAGINA;
Kk, CLITELLS; Ll, PENIS; Mm, TESTIS;
Nn, EPIDIDYMUS; Oo, SEMINAL VESICLE;
Pp, PROSTATE; Qq, URETHRA; Rr, VAGINA;
Ss, CLITELLS; Tt, PENIS; Uu, TESTIS;
Vv, EPIDIDYMUS; Ww, SEMINAL VESICLE;
Xx, PROSTATE; Yy, URETHRA; Zz, VAGINA;



Front View of the Bones of the Foot and Pastern.

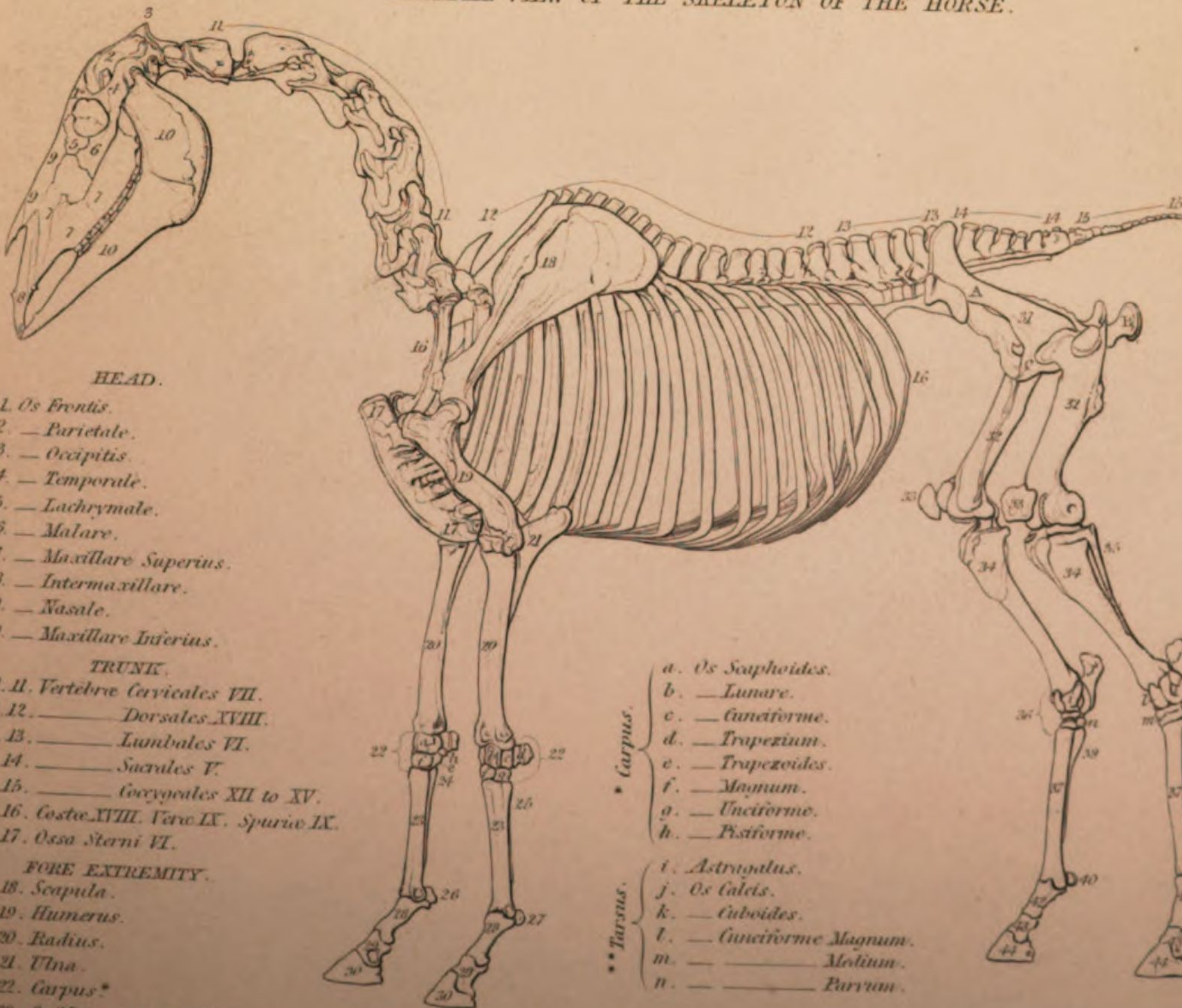
- b. The large pastern, or os sufraginis.
c. The small pastern, or os coronæ.
d. The coffin bone, or os pedis, showing its perforated and irregular surface.



Back View of the Bones of the Foot and Pastern.

- a. The sesamoid bones.
b. The large pastern.
c. The small D.
d. The coffin bone, showing its lower surface with the holes for the passage of the arteries to the centre of the bone.
e. The navicular bone.

LATERAL VIEW OF THE SKELETON OF THE HORSE.



HEAD.

1. Os Frontis.
2. — Parietale.
3. — Occipitis.
4. — Temporale.
5. — Lachrymale.
6. — Malar.
7. — Maxillare Superius.
8. — Intermaxillare.
9. — Nasale.
10. — Maxillare Inferius.

TRUNK.

11. 11. Vertebrae Cervicales VII.
12. 12. — Dorsales XVIII.
13. 13. — Lumbales VI.
14. 14. — Sacrales V.
15. 15. — Coccygeales XII to XV.
16. 16. Costæ XVIII. Fere IX. Spuriæ IX.
17. 17. Ossa Sterni VI.

FORE EXTREMITY.

18. Scapula.
19. Humerus.
20. Radius.
21. Ulna.
22. Carpus.*
23. Os Metacarpi magnum.
24. — internum.
25. — externum.

- * Carpus.
a. Os Scaphoides.
b. — Lunare.
c. — Cuneiforme.
d. — Trapezium.
e. — Trapezoides.
f. — Magnum.
g. — Unciforme.
h. — Pisiforme.
** Tarsus.
i. Astragalus.
j. Os Calcis.
k. — Cuboides.
l. — Cuneiforme Magnum.
m. — Molium.
n. — Parvum.

FORE EXTREMITY continued.

26. Os Sessamoideum internum.
27. — — — — — externum.
28. Os Sufraginis.
29. — Coronæ.
30. — Pollex: The Os Naviculare, is placed behind the joint of the last two bones and cannot therefore be seen.

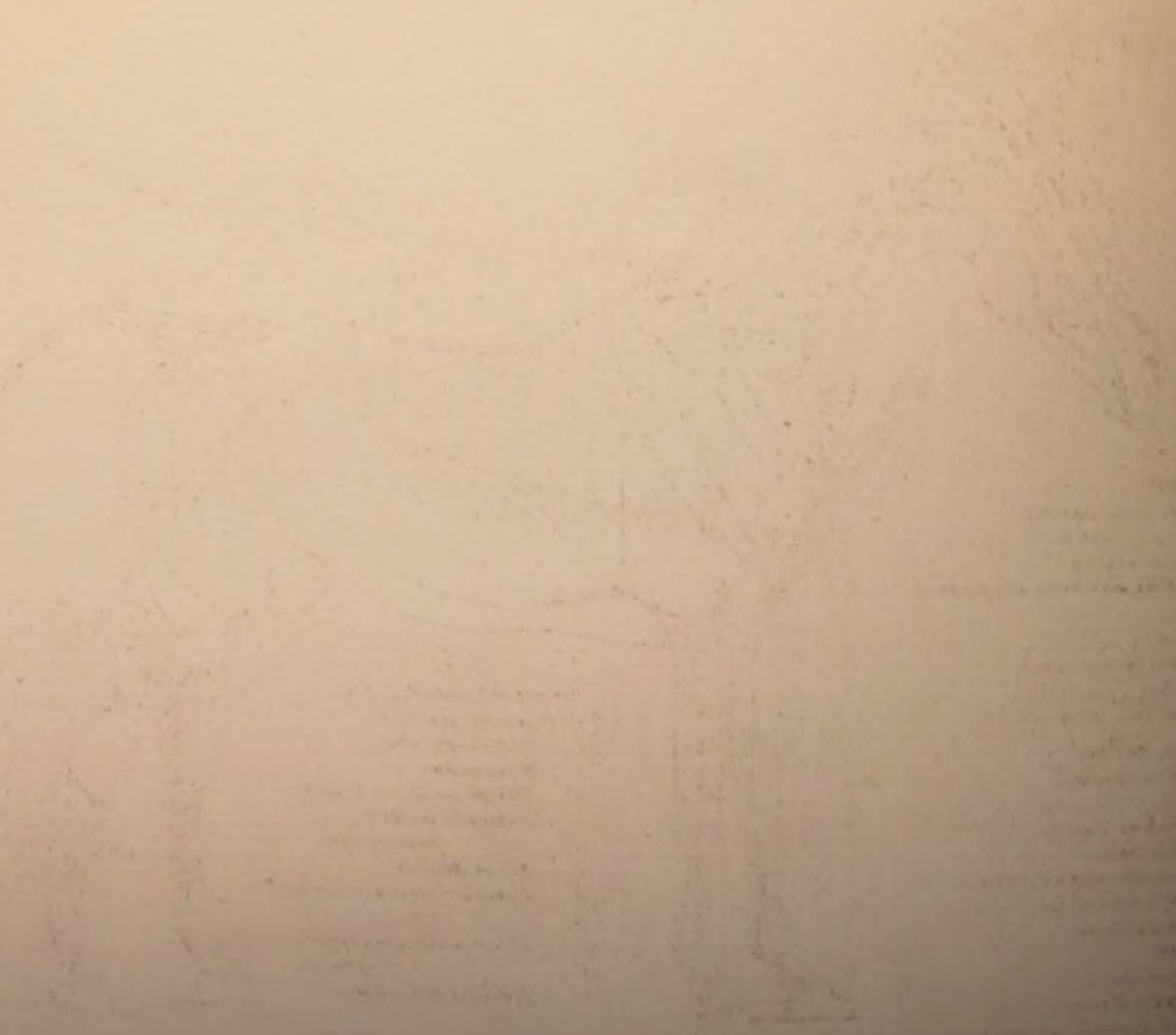
HIND EXTREMITY.

31. Pelvis:
A. Ilium. B. Ischium. C. Pubis.
32. Os Femoris.
33. Patella.
34. Tibia.
35. Fibula.
36. Tarsus.**
37. Metatarsi magnum.
38. — — — — — internum.
39. — — — — — externum.
40. Os Sessamoideum internum.
41. — — — — — externum.
42. Os Sufraginis.
43. — Coronæ.
44. — Pollex: Os Naviculare as in fore foot.



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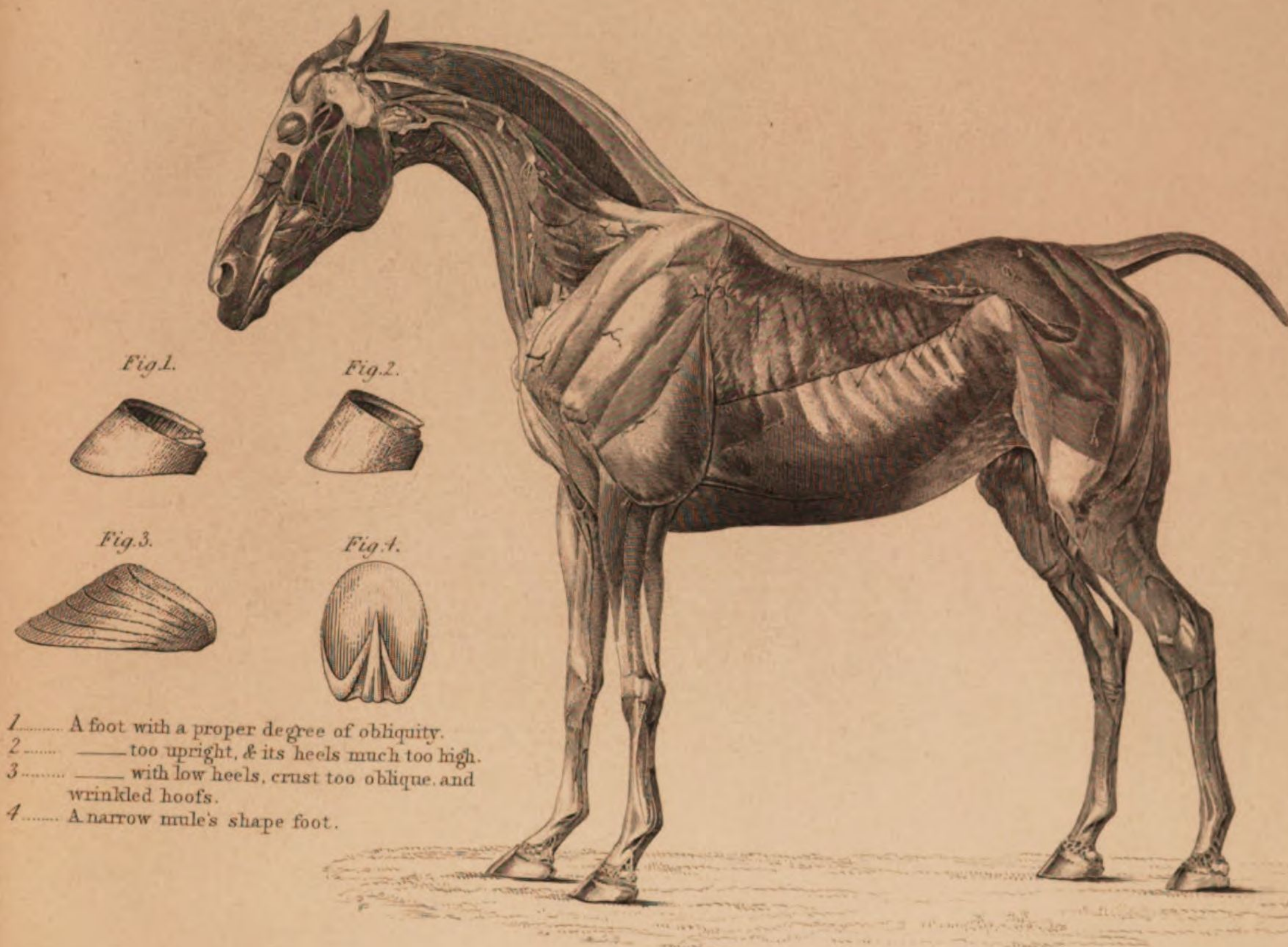
THE T. & A. CO.



THE T. & A. CO.
NEW YORK
1880

THE T. & A. CO.
NEW YORK
1880

THE T. & A. CO.
NEW YORK
1880



- 1..... A foot with a proper degree of obliquity.
 2..... ——— too upright, & its heels much too high.
 3..... ——— with low heels, crust too oblique, and wrinkled hoofs.
 4..... A narrow mule's shape foot.

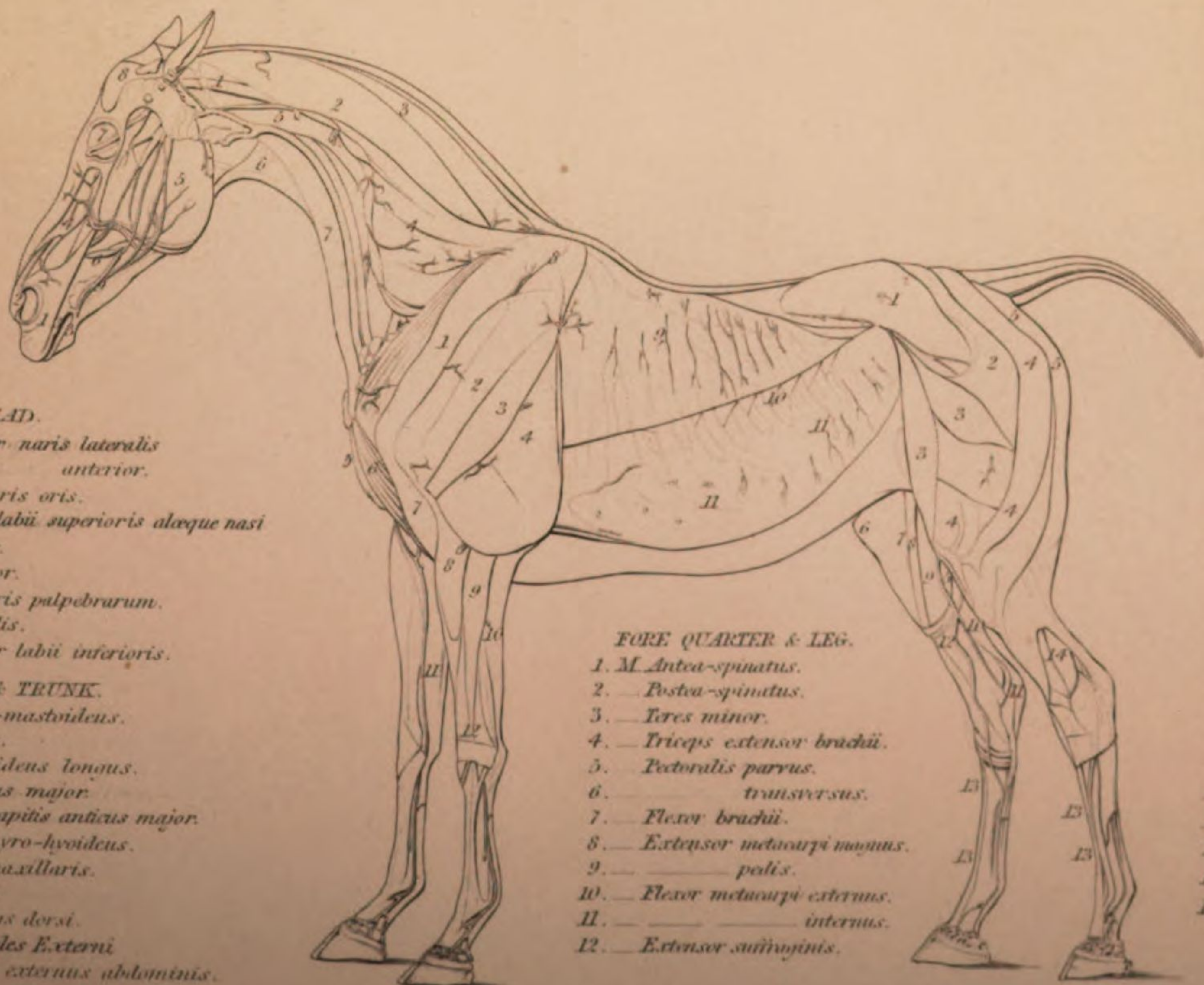


A healthy Foot in an unpared state.
 a. a. The frog
 b. b. — bars
 c. c. c. — sole
 d. d. — seat of corns



A contracted Foot.

FIRST LAYER OF MUSCLES OF THE HORSE.



HEAD.

1. *M. Dilator naris lateralis*
2. ——— anterior.
3. — *Orbicularis oris.*
4. — *Levator labii superioris alaeque nasi*
5. — *Masseter.*
6. — *Buccinator.*
7. — *Orbicularis palpebrarum.*
8. — *Temporalis.*
9. — *Depressor labii inferioris.*

NECK & TRUNK.

1. *M. Trachelo-mastoides.*
2. — *Splenius.*
3. — *Rhomboides longus.*
4. — *Complexus major.*
5. — *Rectus capitis anticus major.*
6. — *Sterno-thyro-hyoideus.*
7. — *Sterno-maxillaris.*
8. — *Trapezius.*
9. — *Latissimus dorsi.*
10. — *Intercostales Externi.*
11. — *Obliquus externus abdominis.*

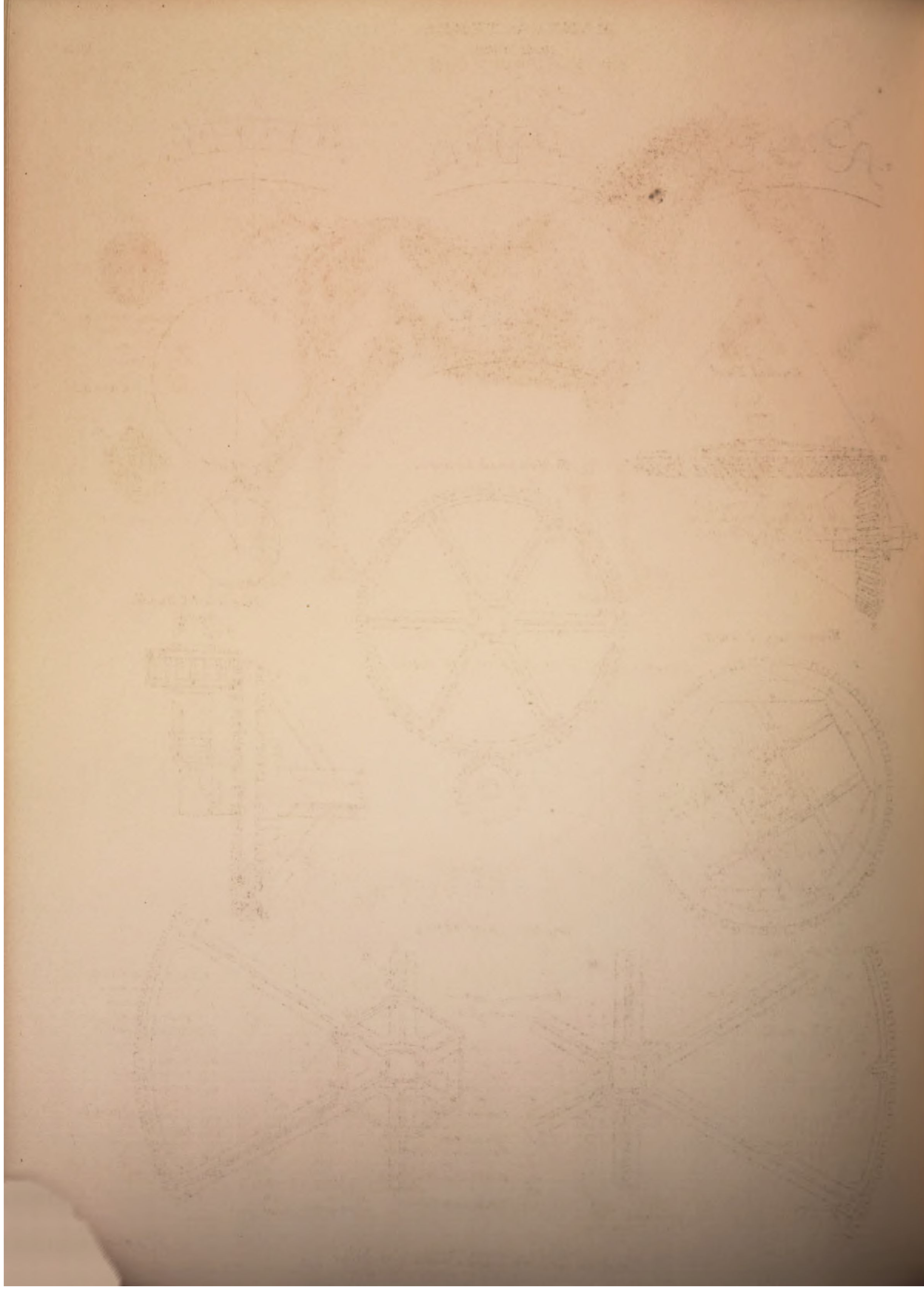
FORE QUARTER & LEG.

1. *M. Antea-spinatus.*
2. — *Postea-spinatus.*
3. — *Ires minor.*
4. — *Triceps extensor brachii.*
5. — *Pectoralis parvus.*
6. — ——— transversus.
7. — *Flexor brachii.*
8. — *Extensor metacarpi magnus.*
9. — ——— palis.
10. — *Flexor metacarpi externus.*
11. — ——— internus.
12. — *Extensor carpi ulnaris.*

HIND QUARTER & LEG.

1. *M. Gluteus maximus.*
2. ——— externus.
3. — *Tensor vaginae.*
4. — *Biceps Abductor.*
5. — *Semitendinosus.*
6. — *Rectus.*
7. — *Vastus internus.*
8. — *Sartorius.*
9. — *Gracilis.*
10. — *Gastrocnemius internus.*
11. — *Plantaris.*
12. — *Flexor metatarsi.*
13. — *Extensor pedis.*
14. — *Flexor pedis.*

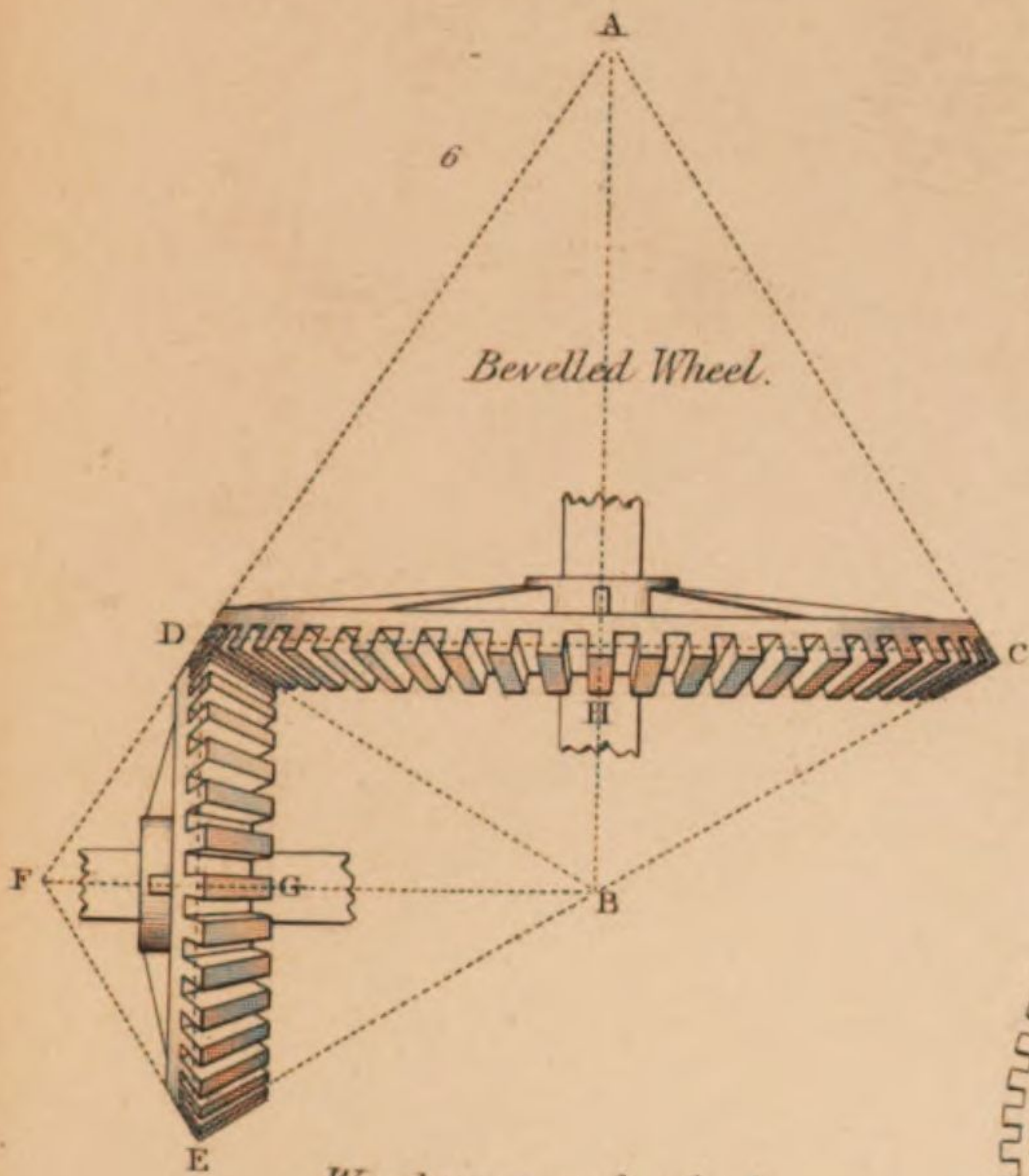
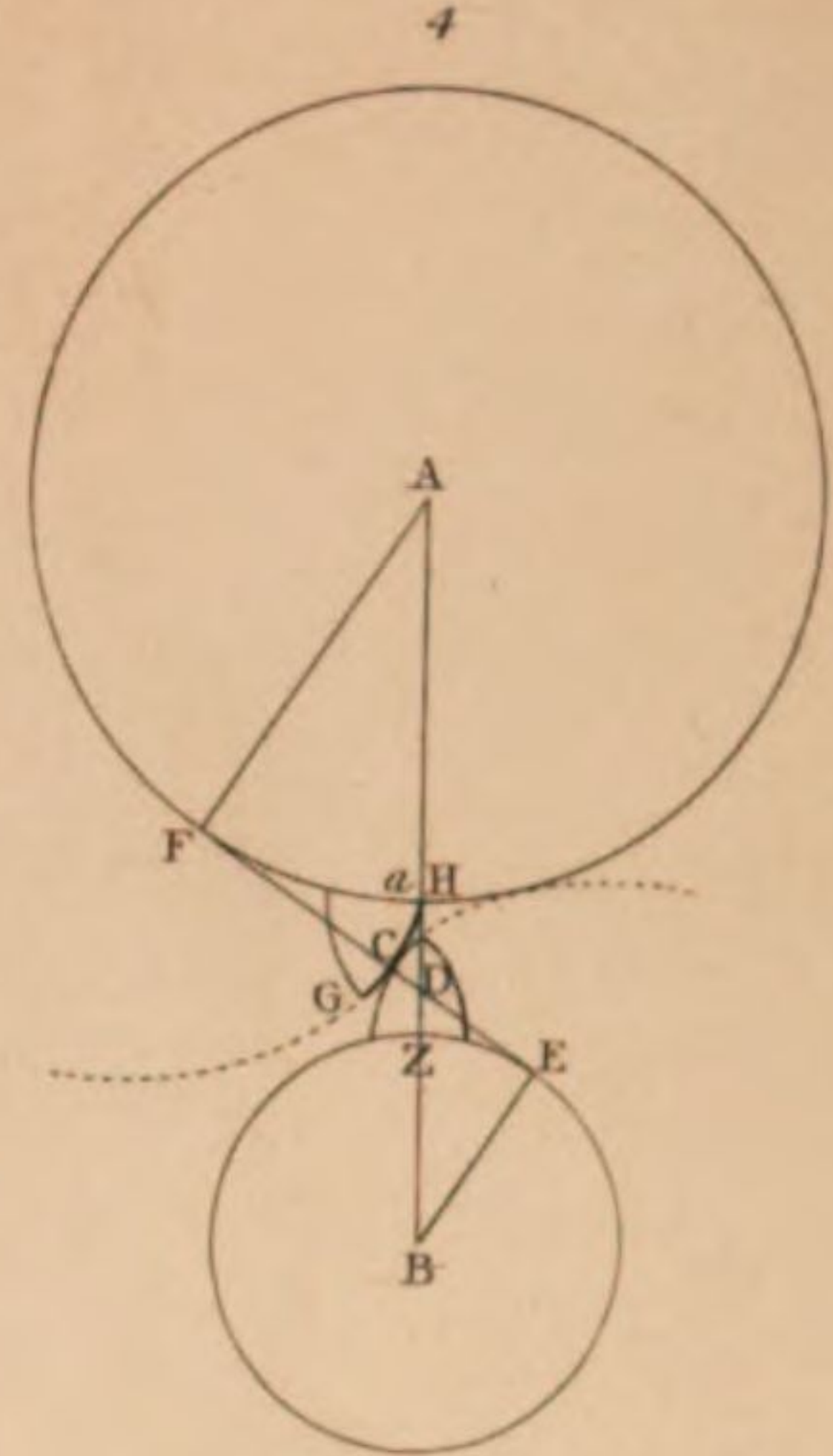
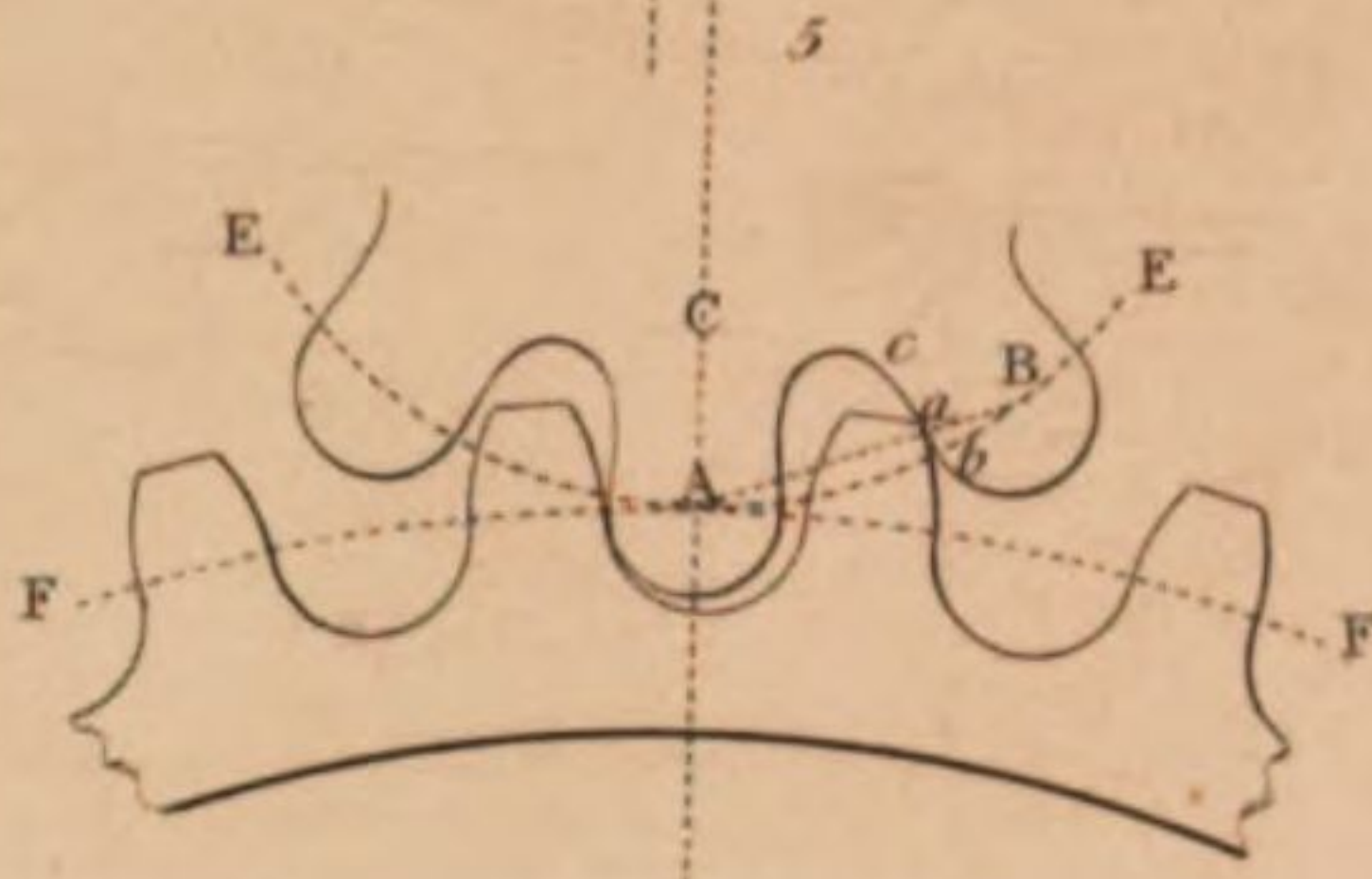
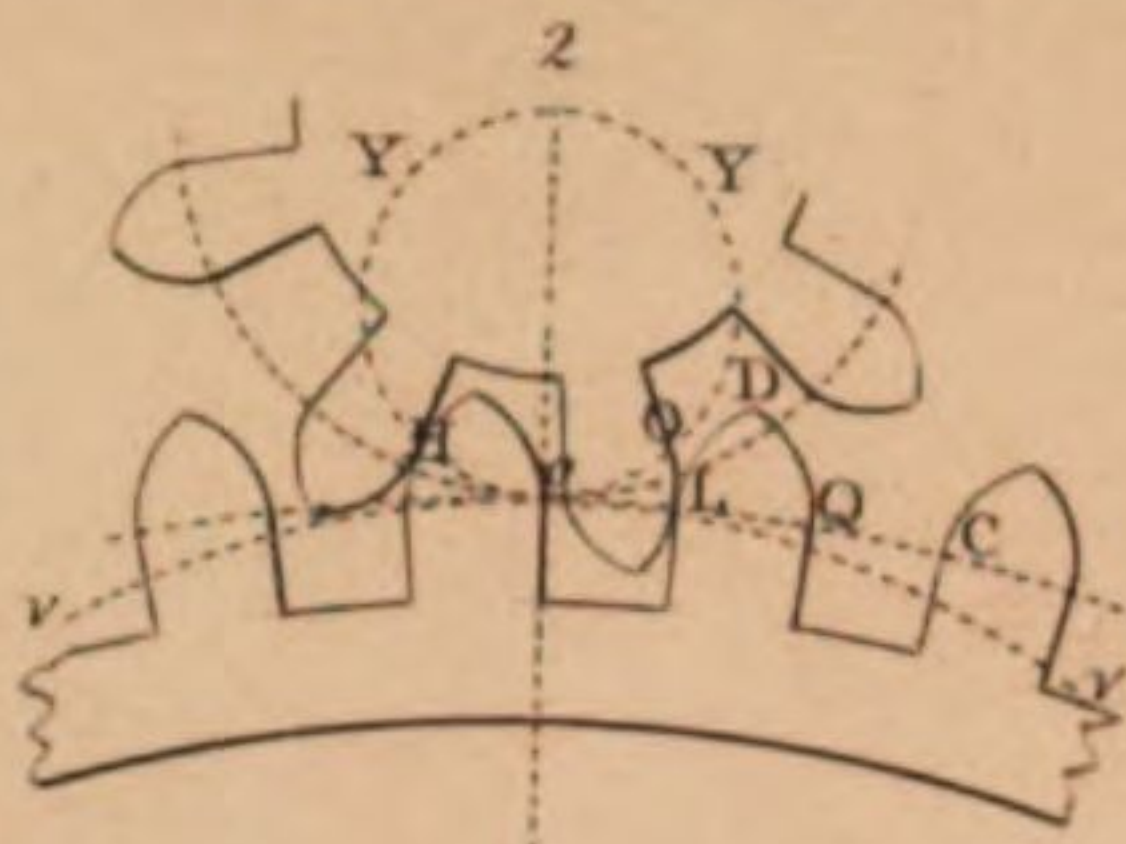
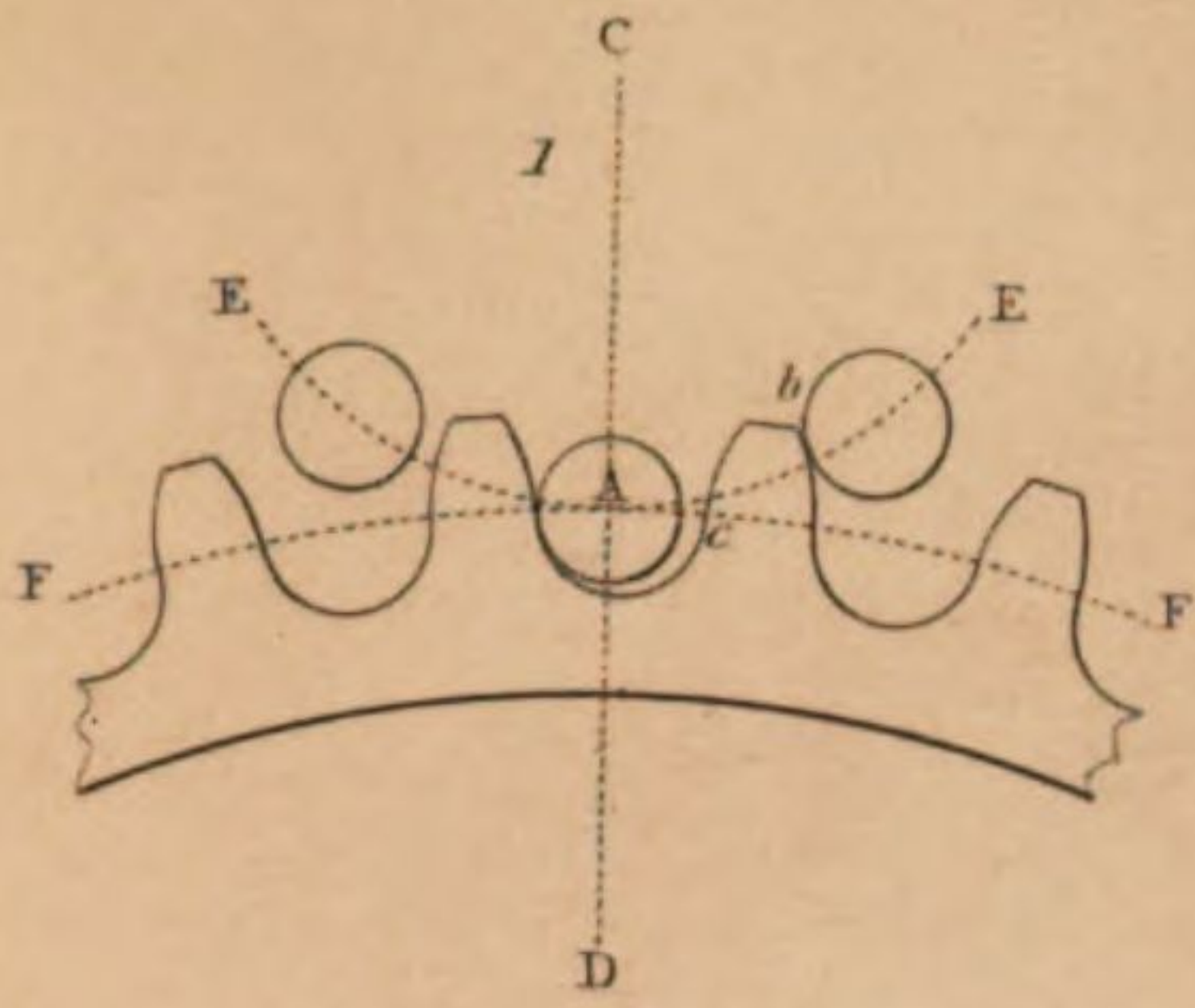
(In this view the Panniculus Carnosus & the Levator Humeri have been removed.)



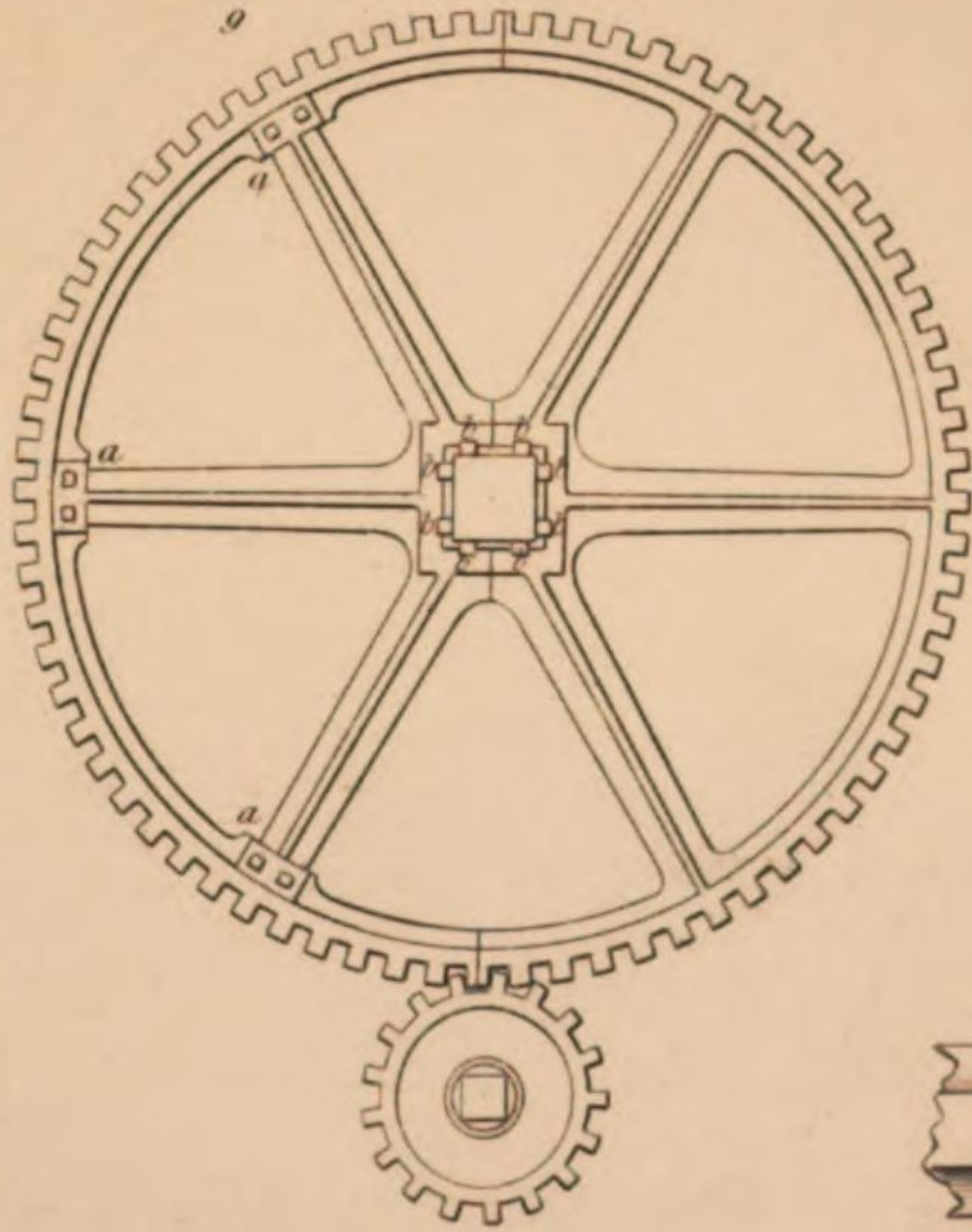
MANUFACTURES.

MILL WORK.

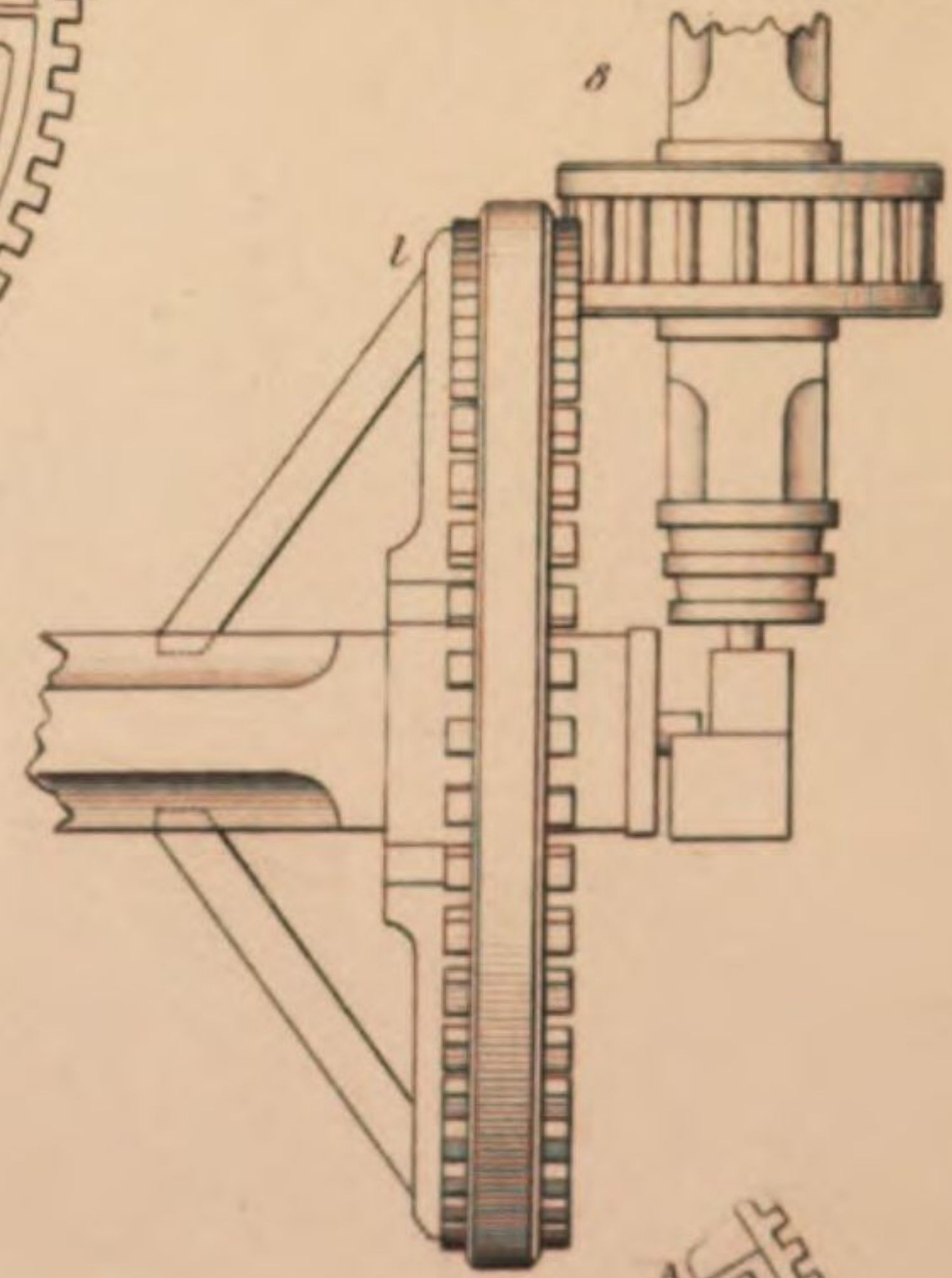
Plate I.



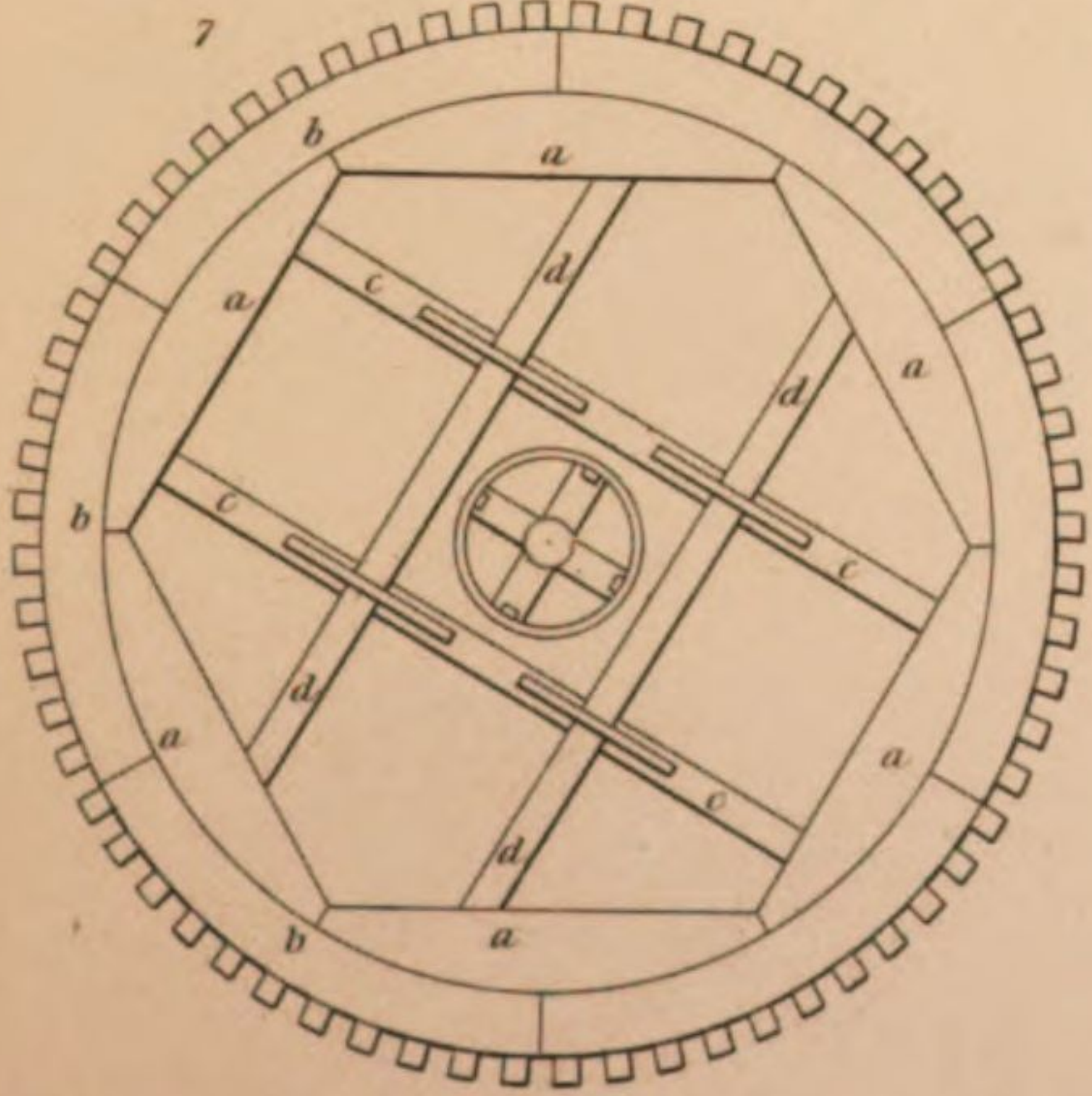
Toothed wheel & pinion.



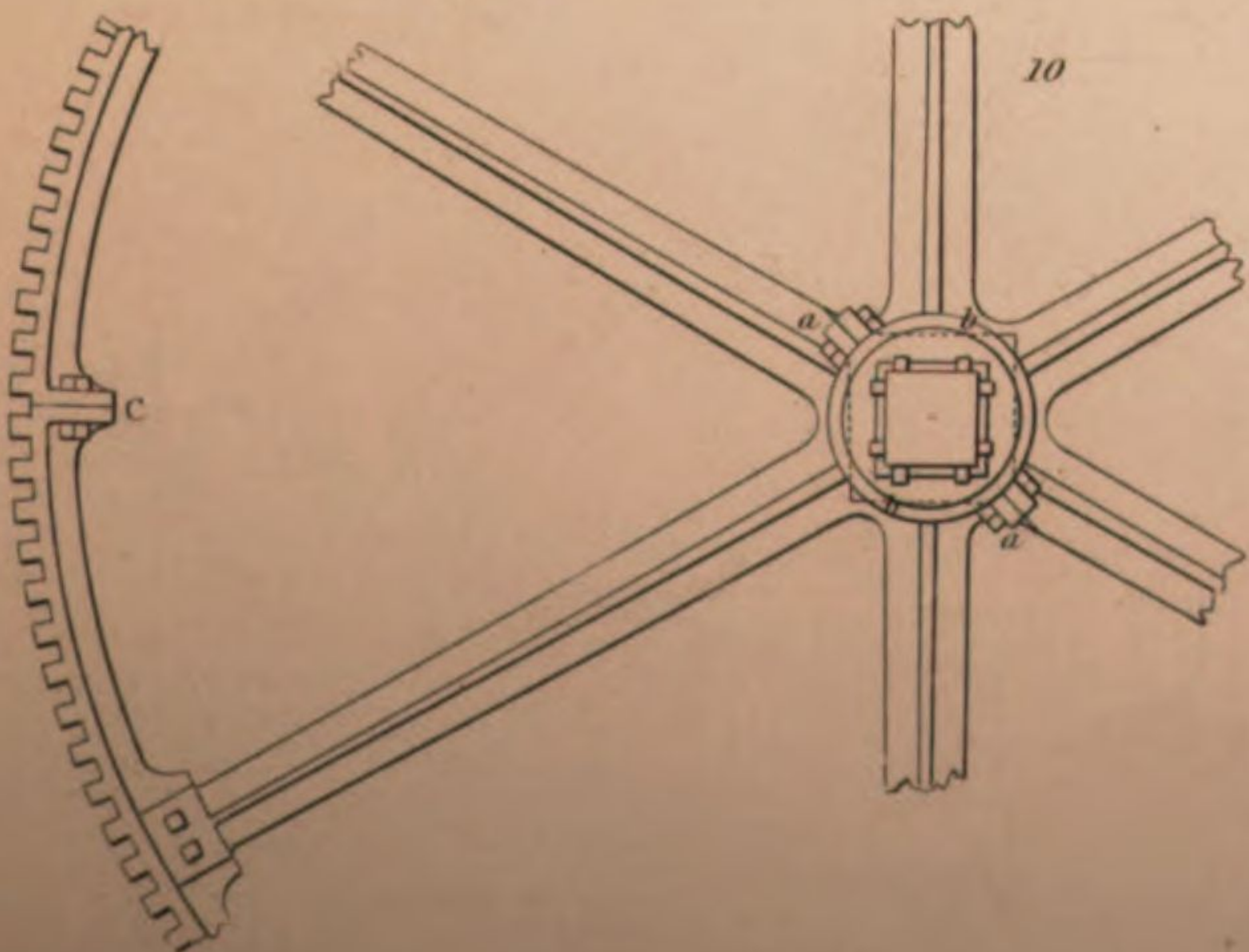
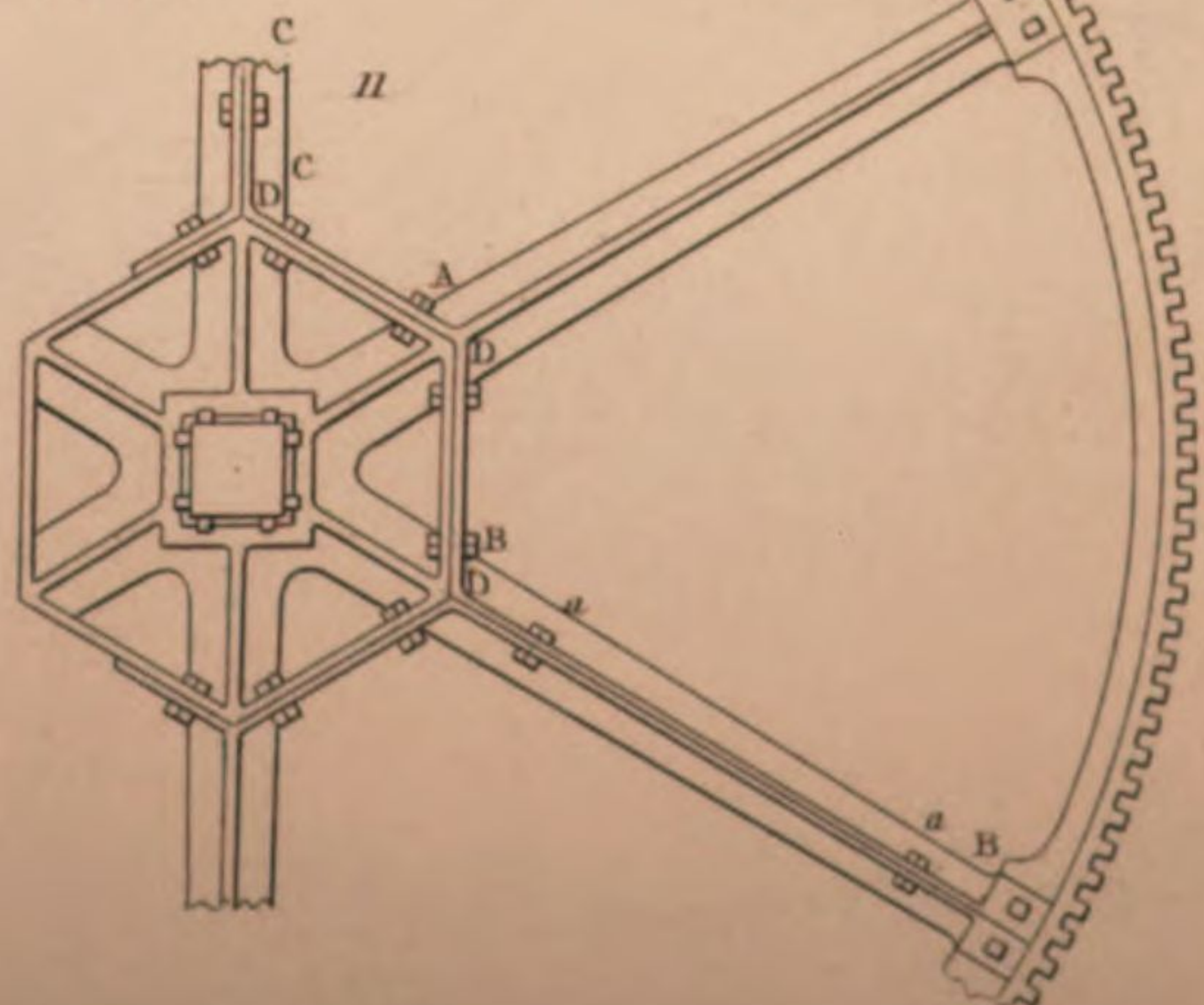
Face wheel & Trundle.



Wooden cogged wheel.



Construction of wheels.

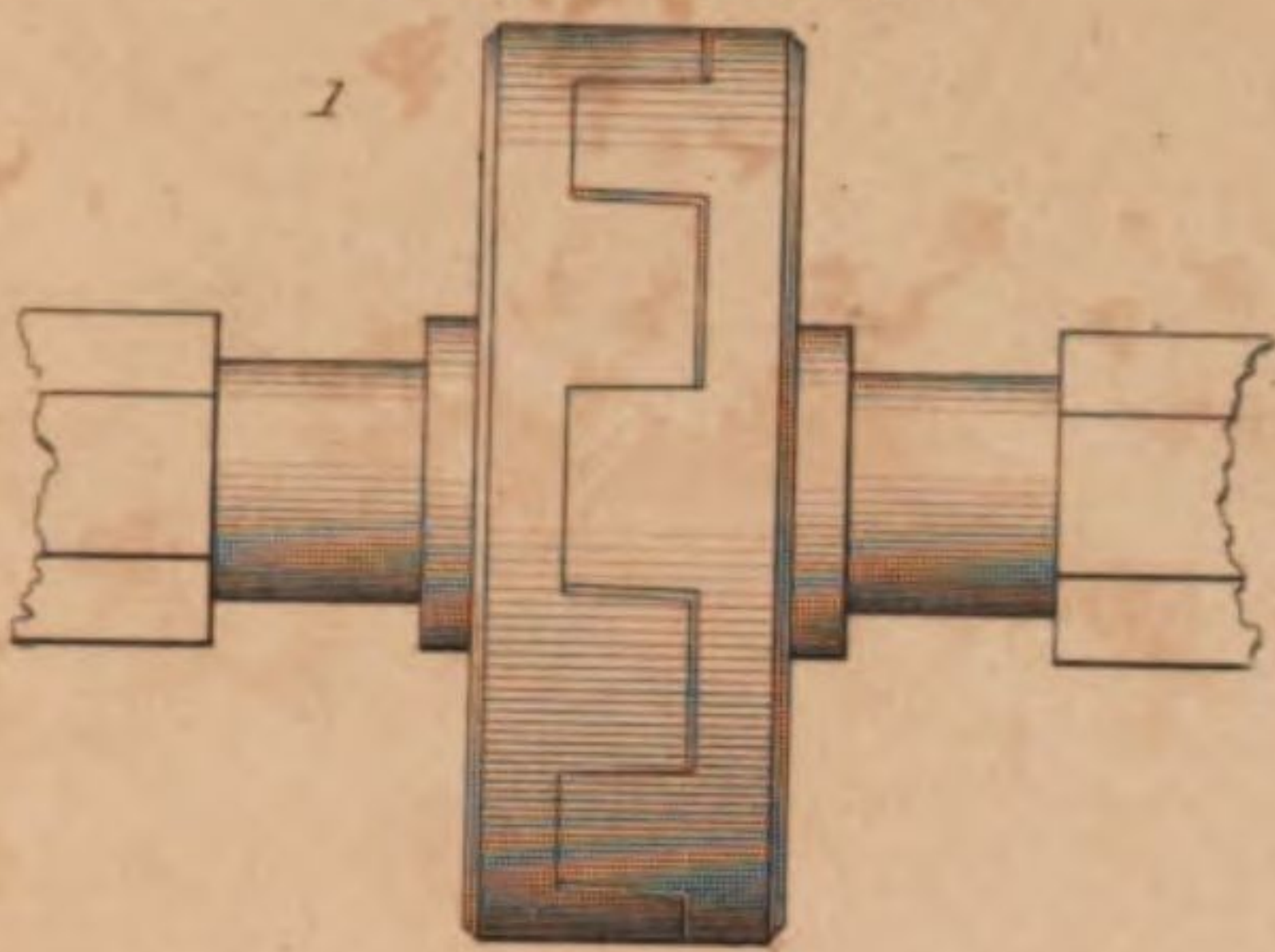


MANUFACTURES.

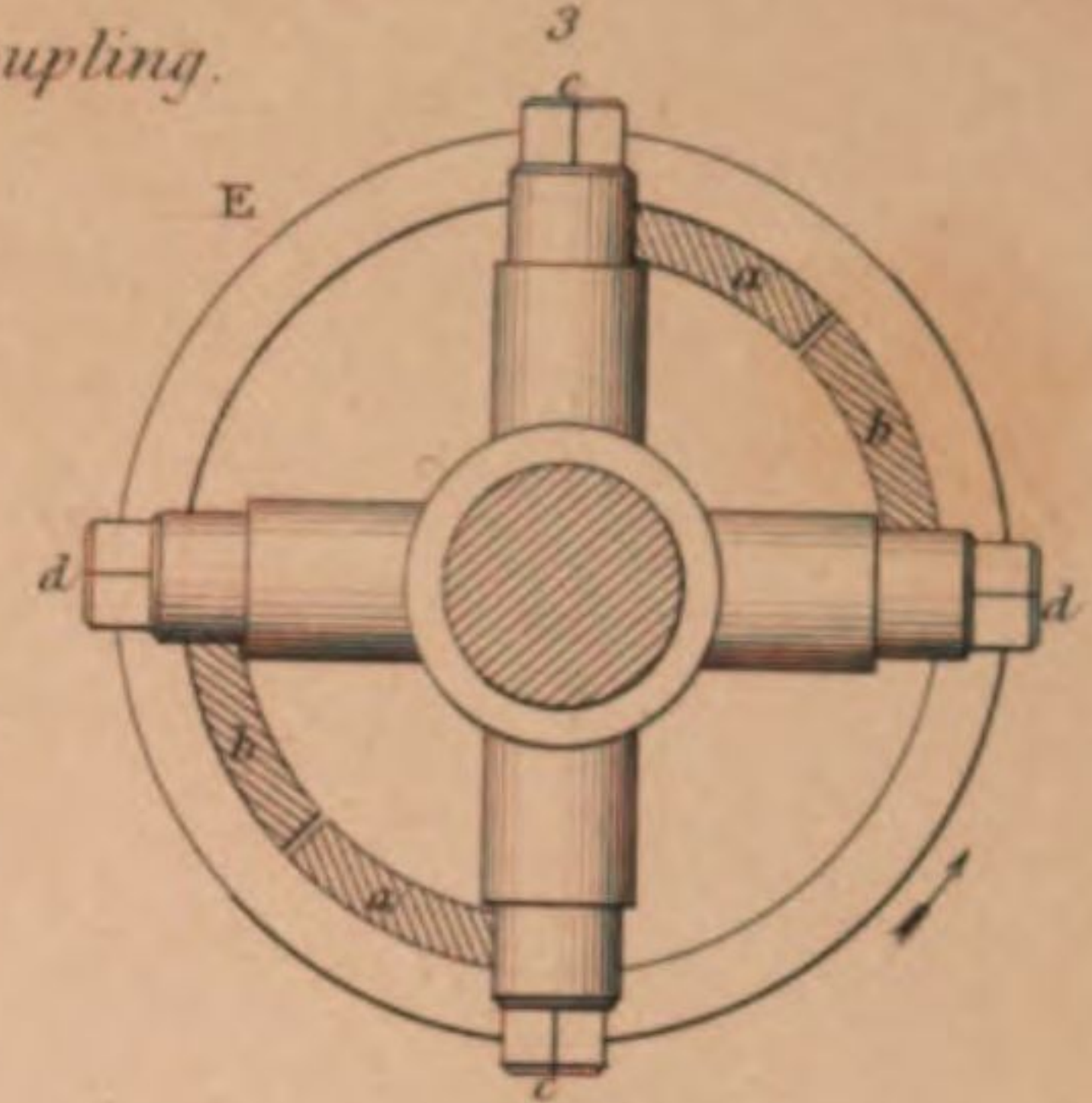
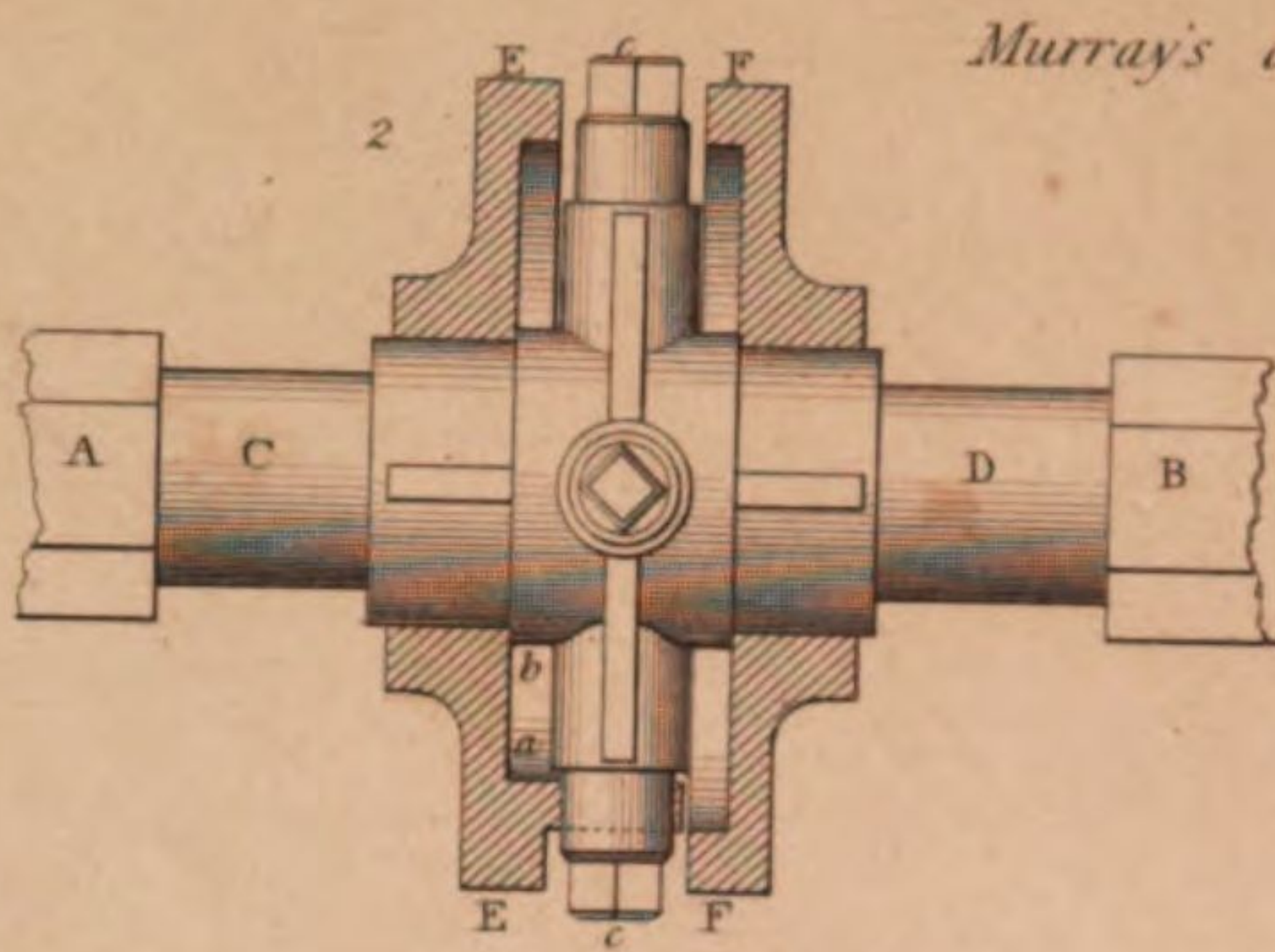
MILL WORK.

Plate II.

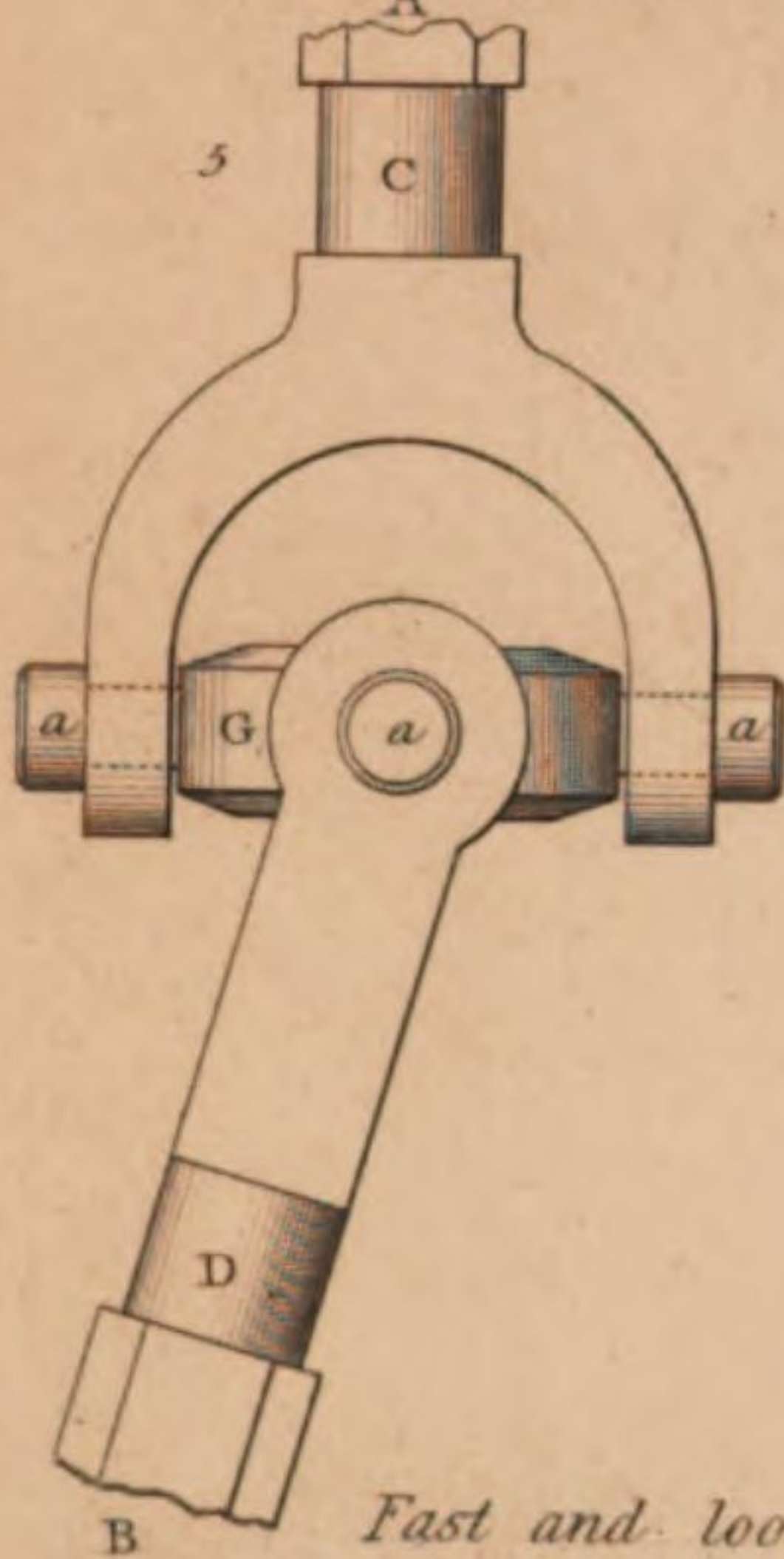
Common coupling.



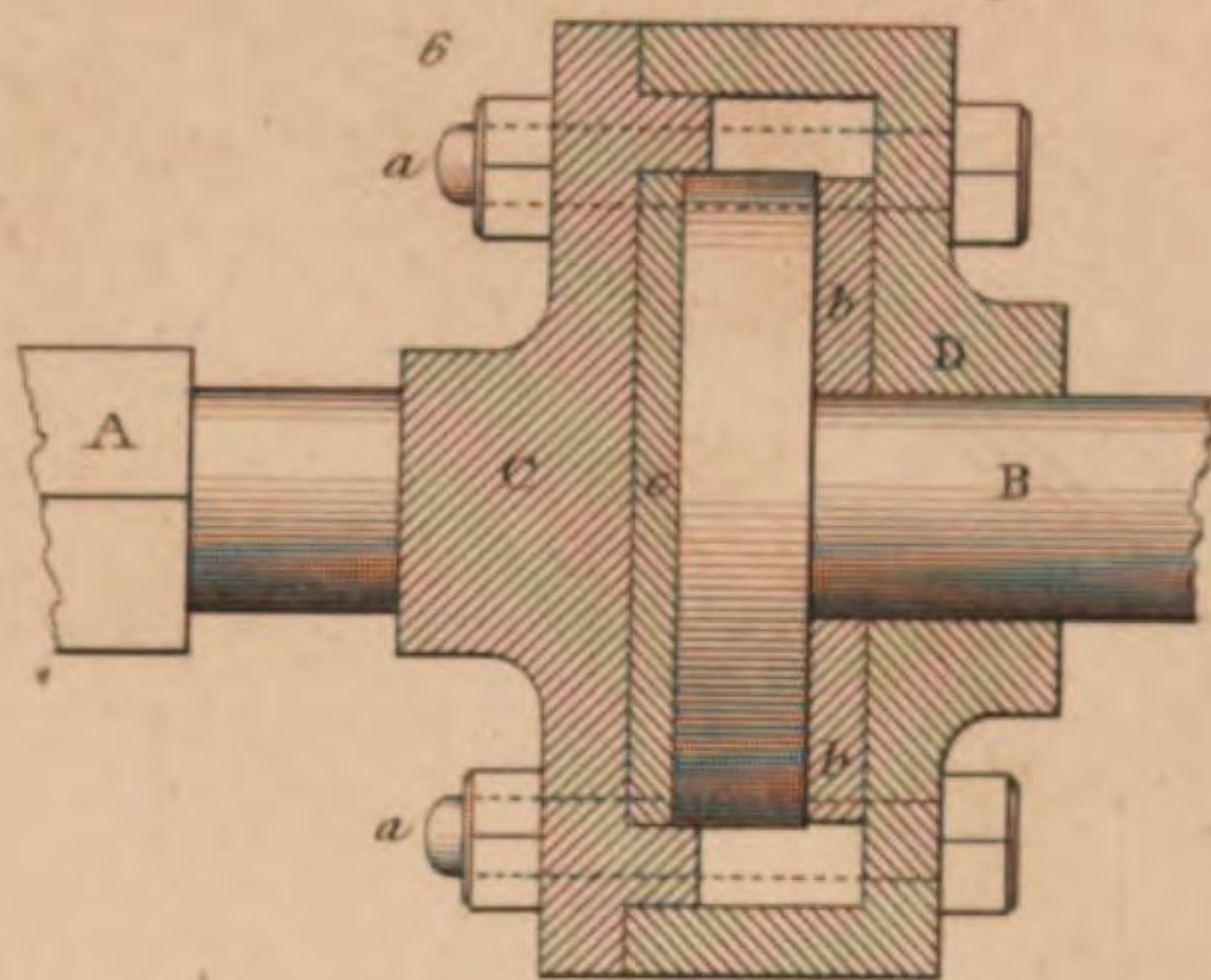
Murray's coupling.



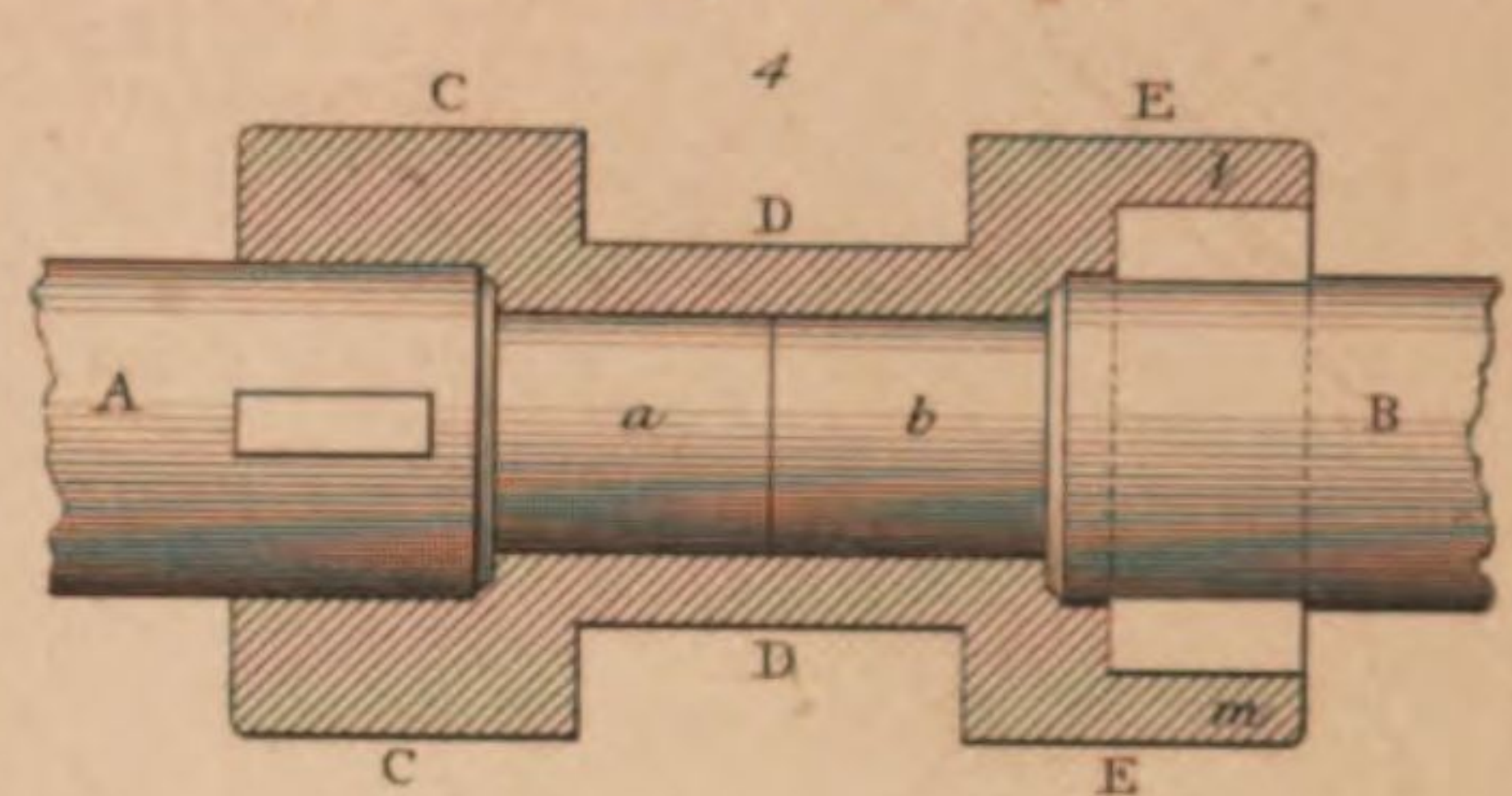
Universal joint.



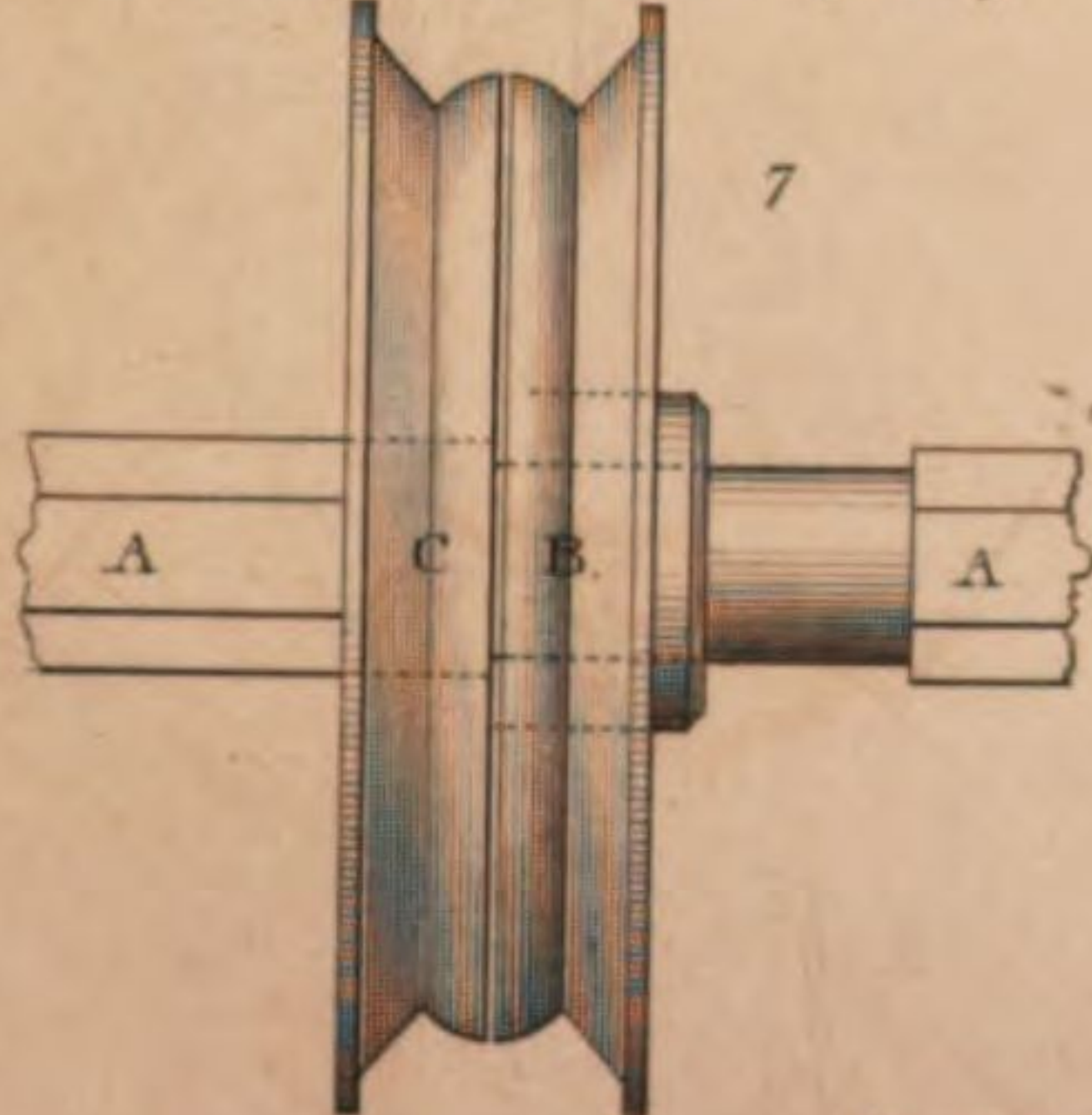
Friction coupling.



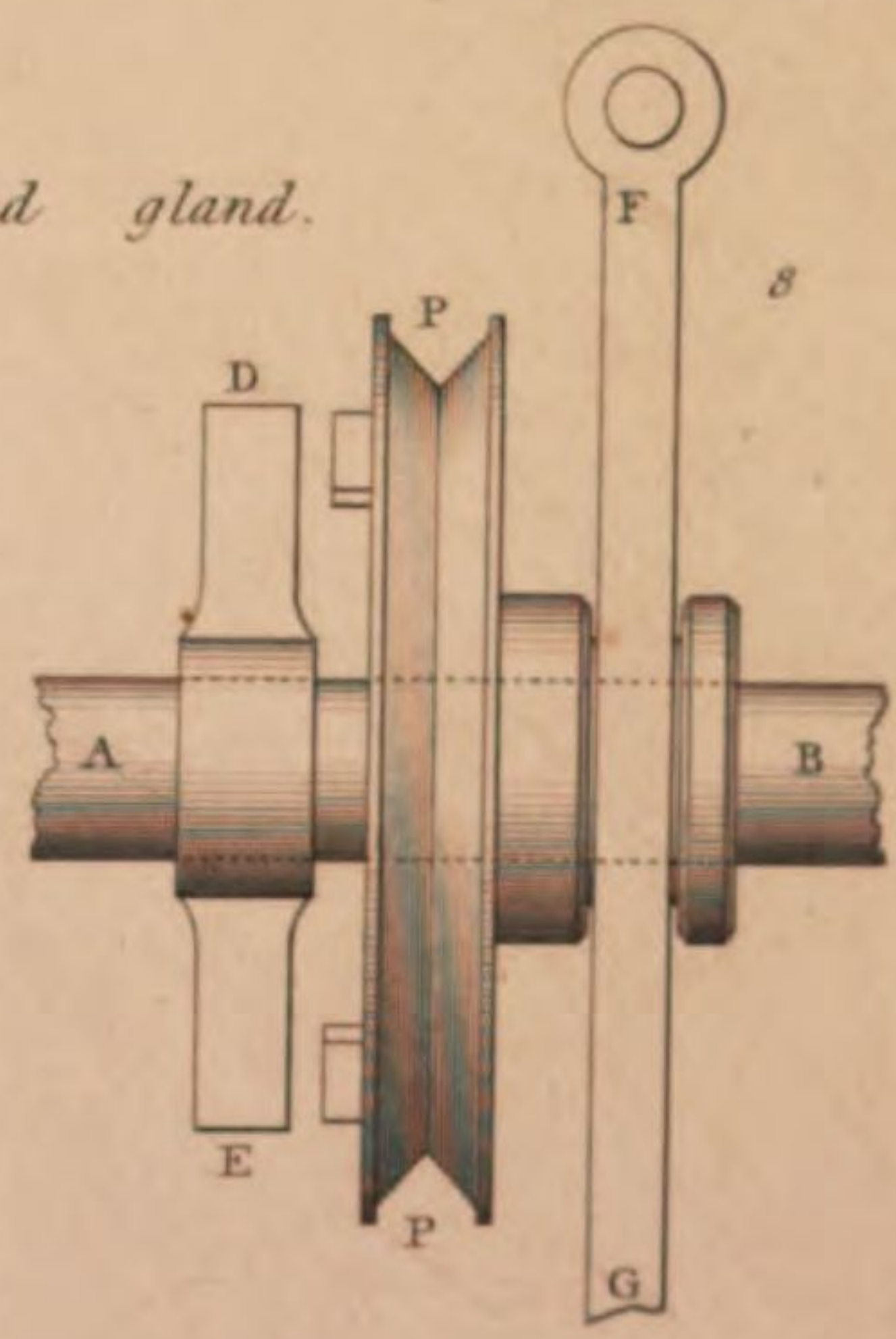
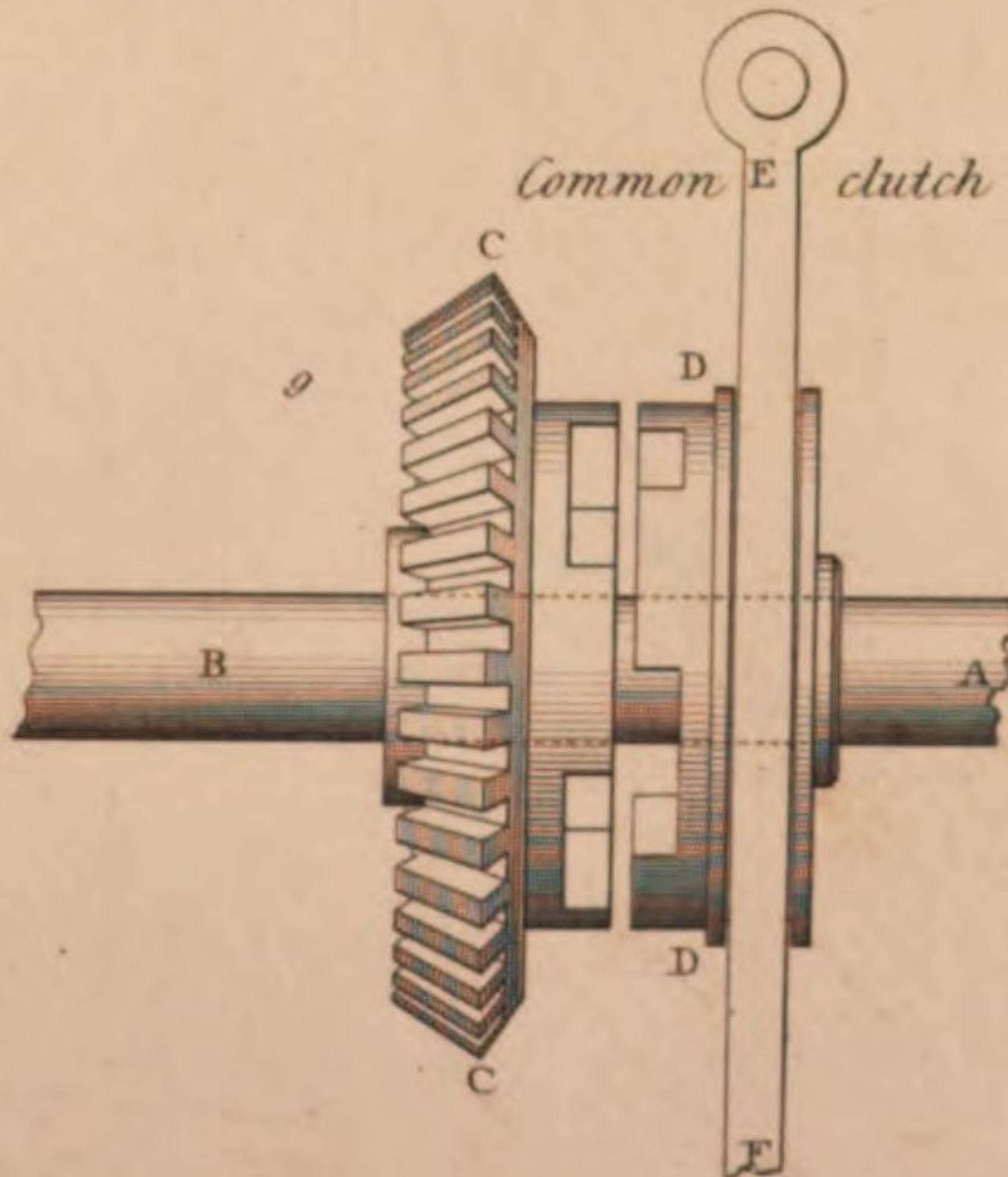
Murray's coupling.



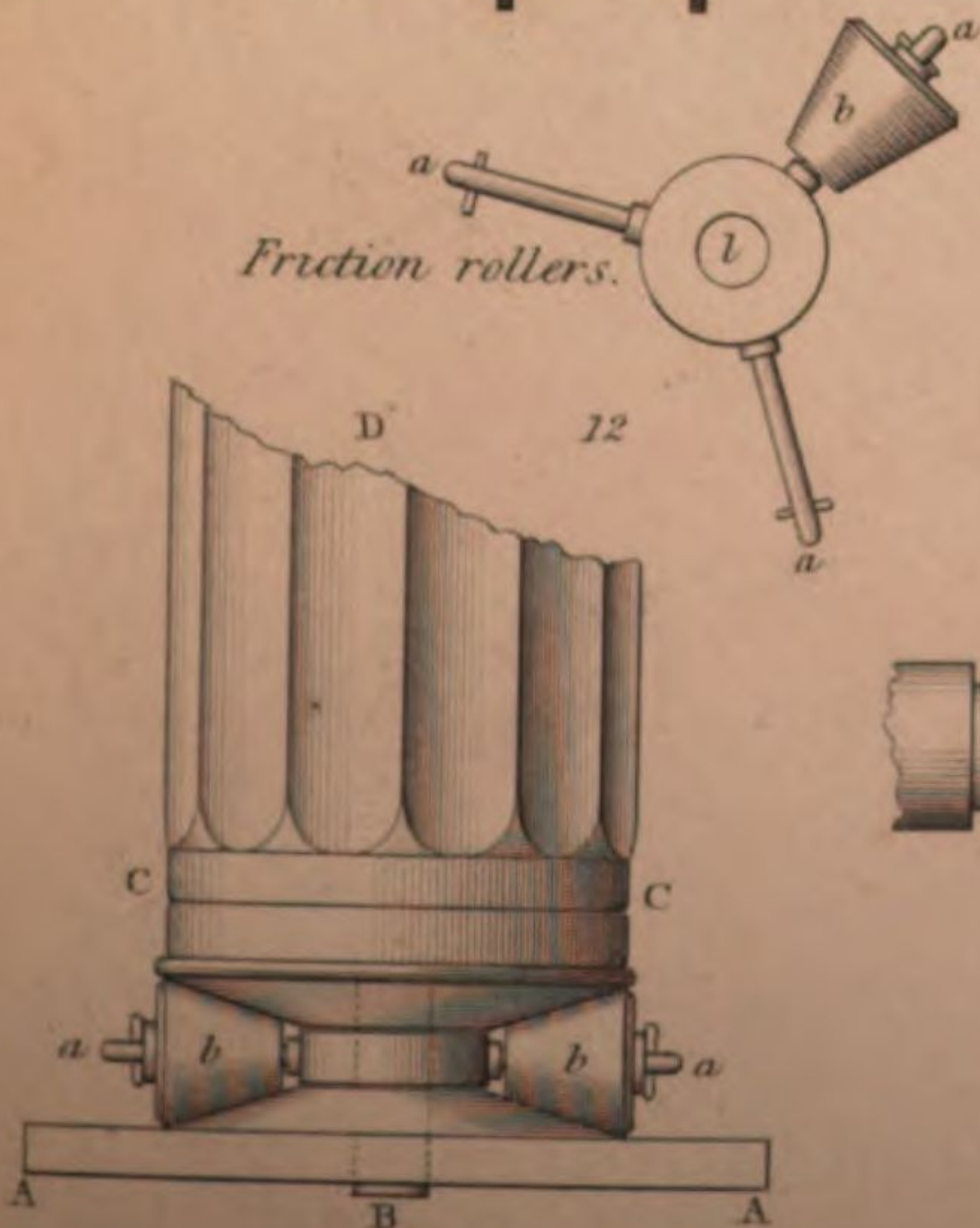
Fast and loose pulley.



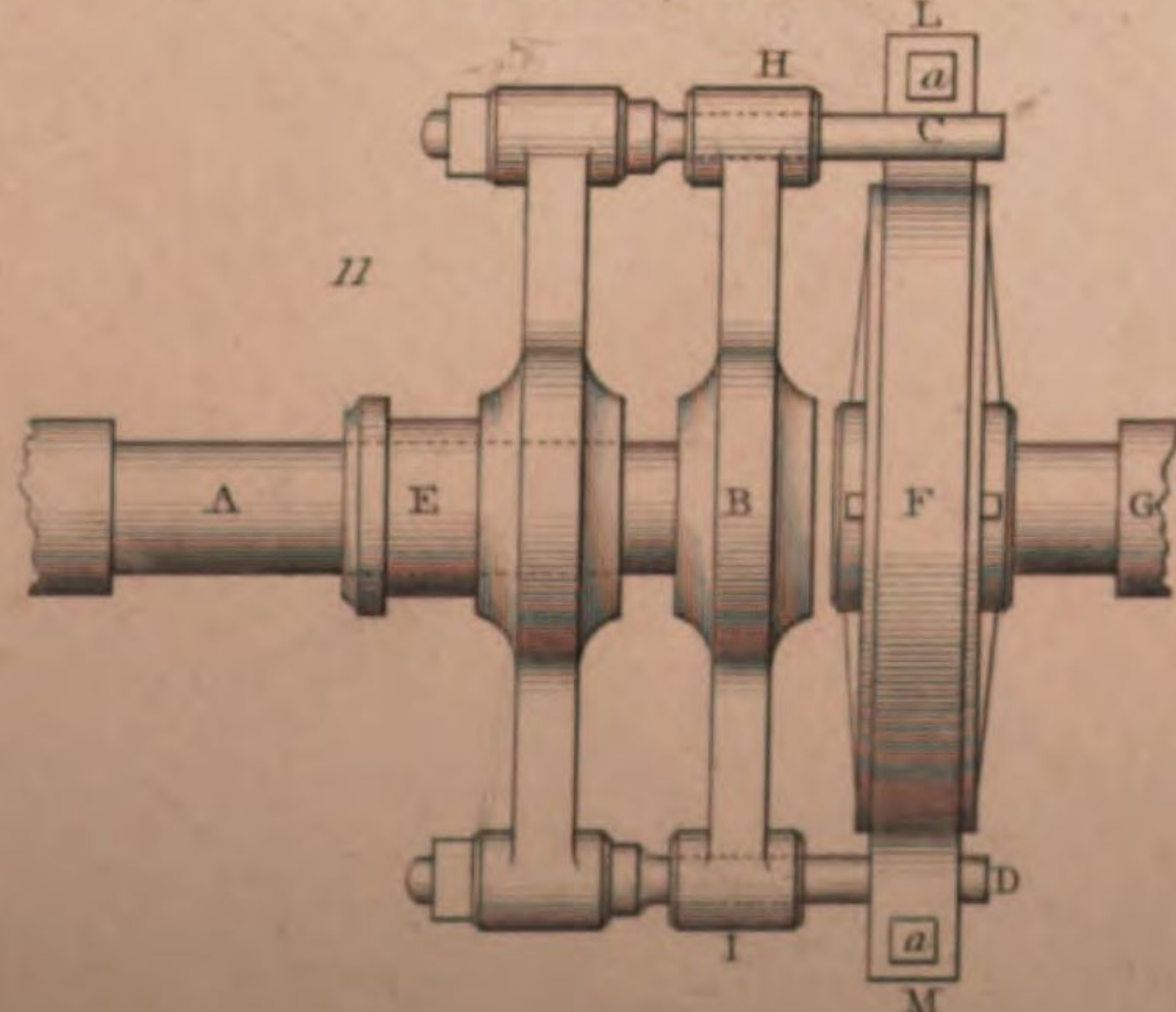
Common clutch and gland.



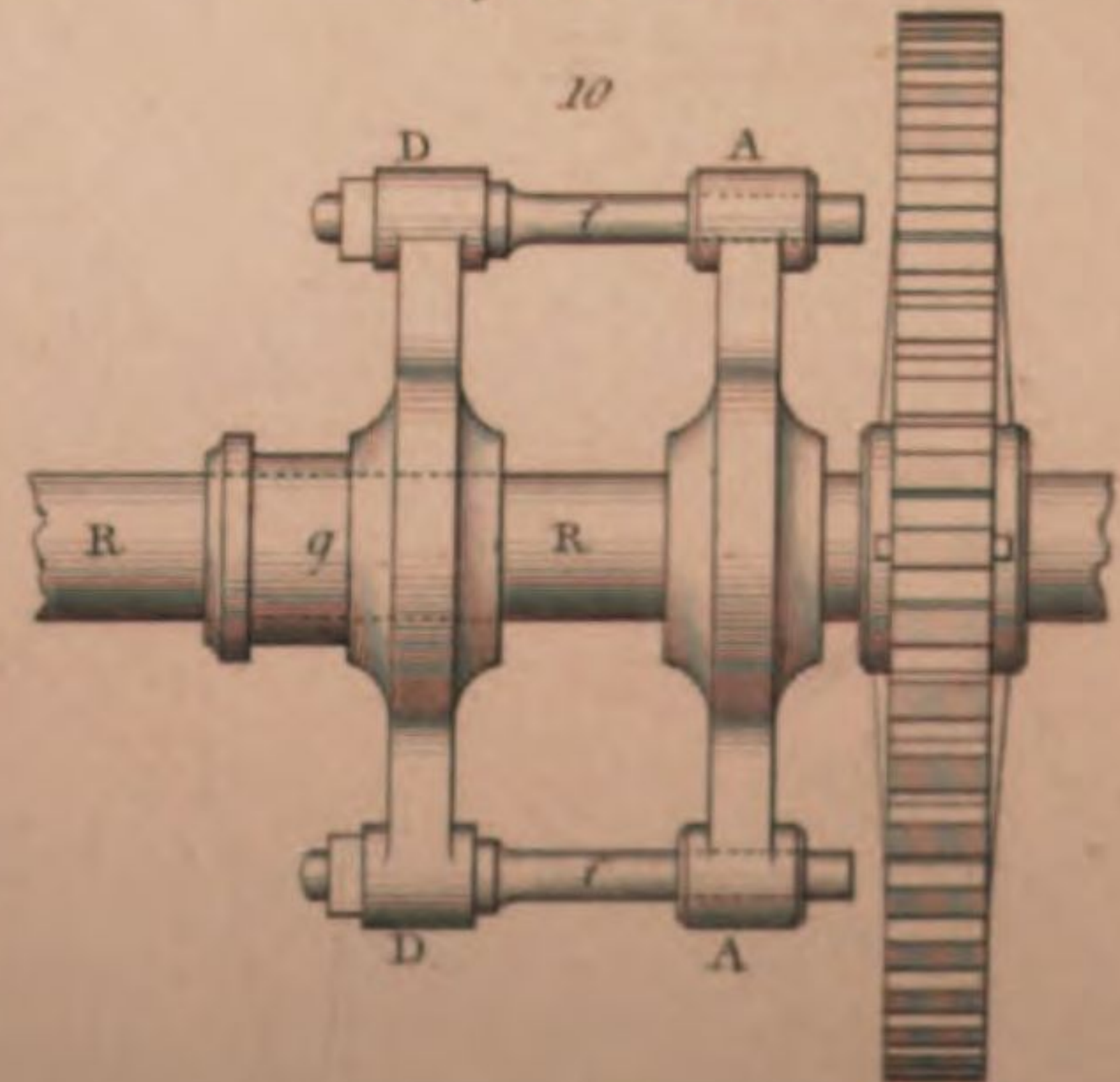
Friction rollers.

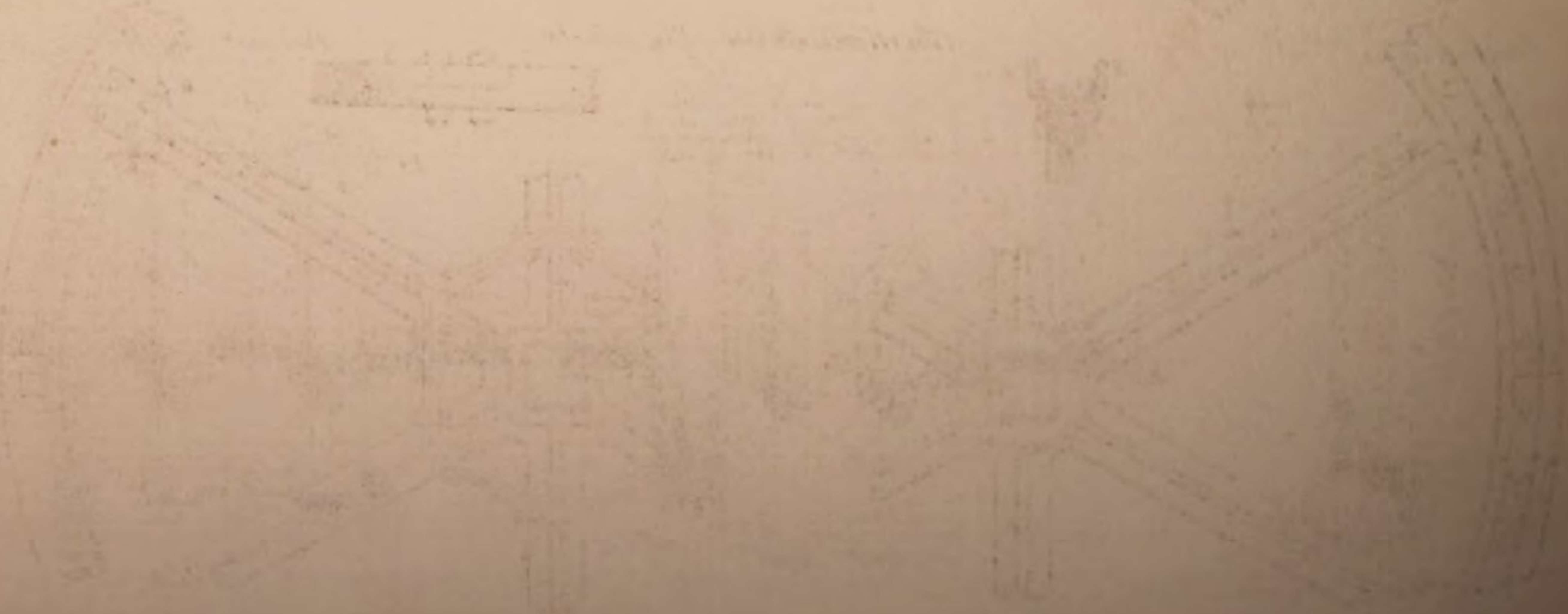


Friction clutch.



Bayonet clutch.



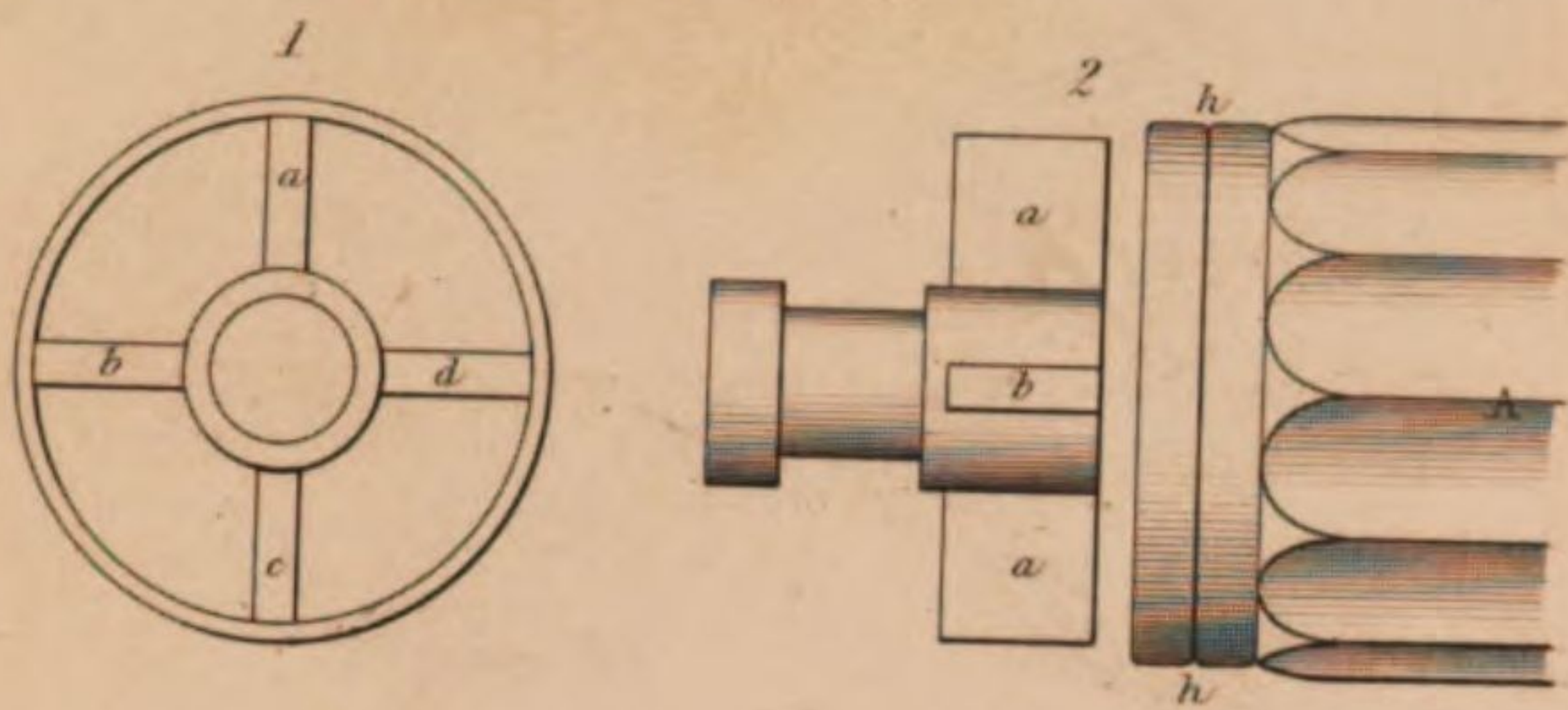


MANUFACTURES.

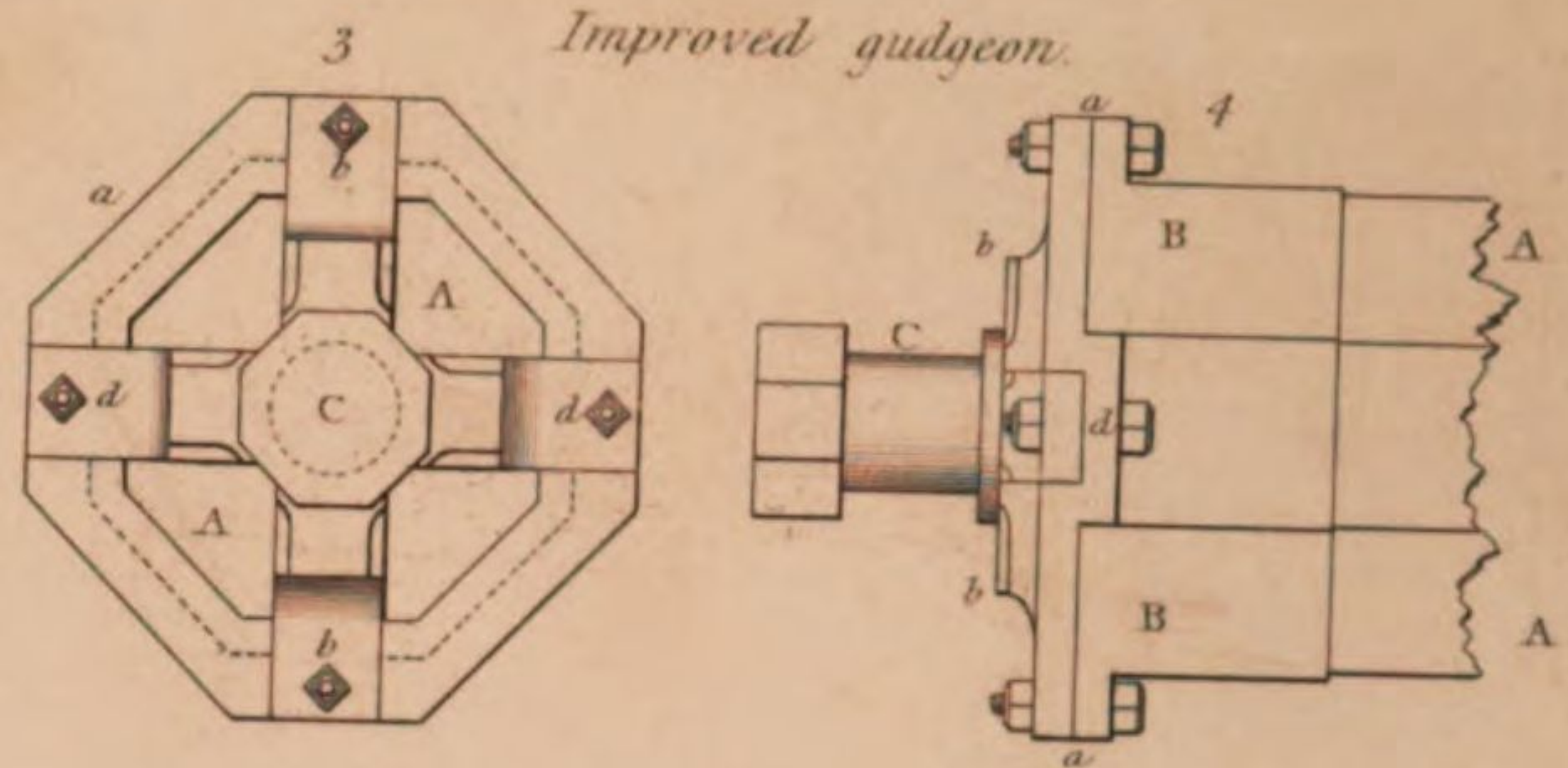
MILL WORK.

Plate III.

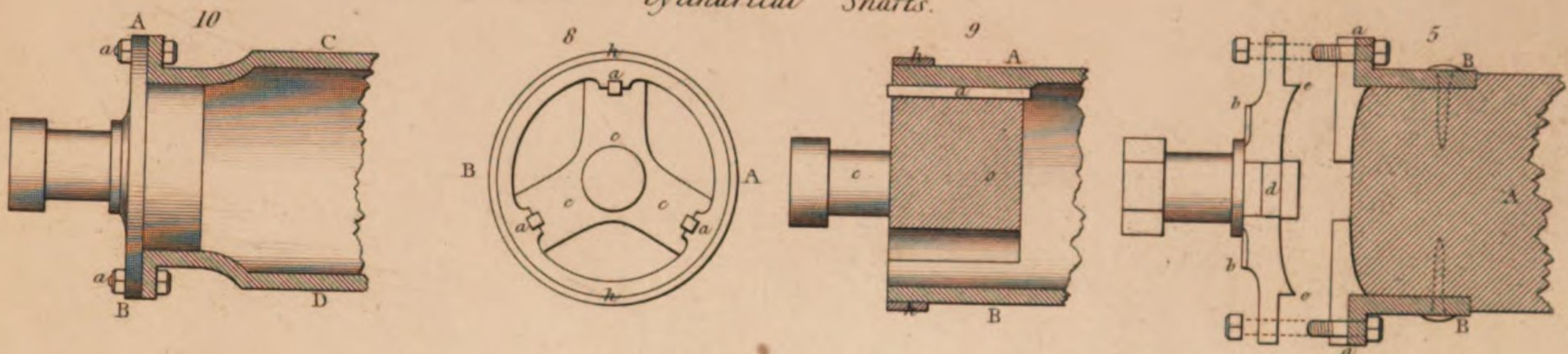
Crofs tailed gudgeon.



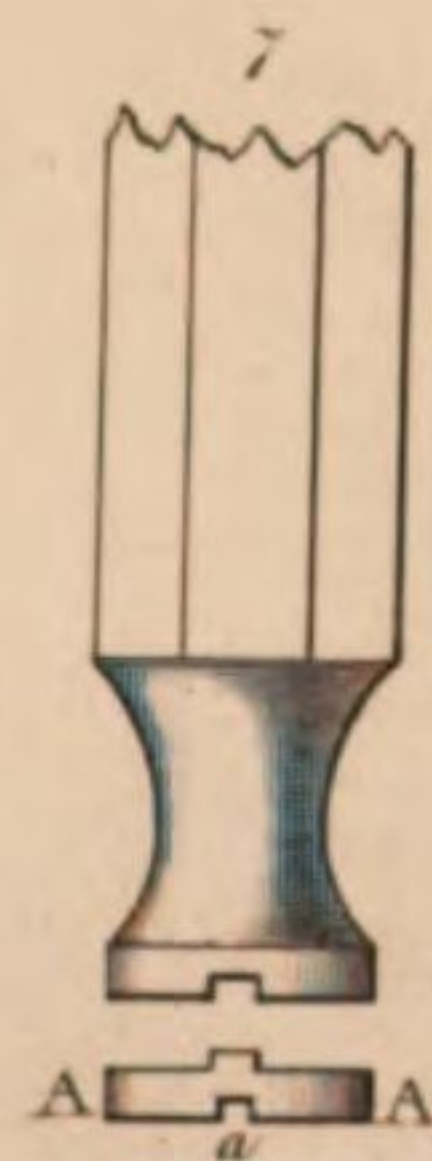
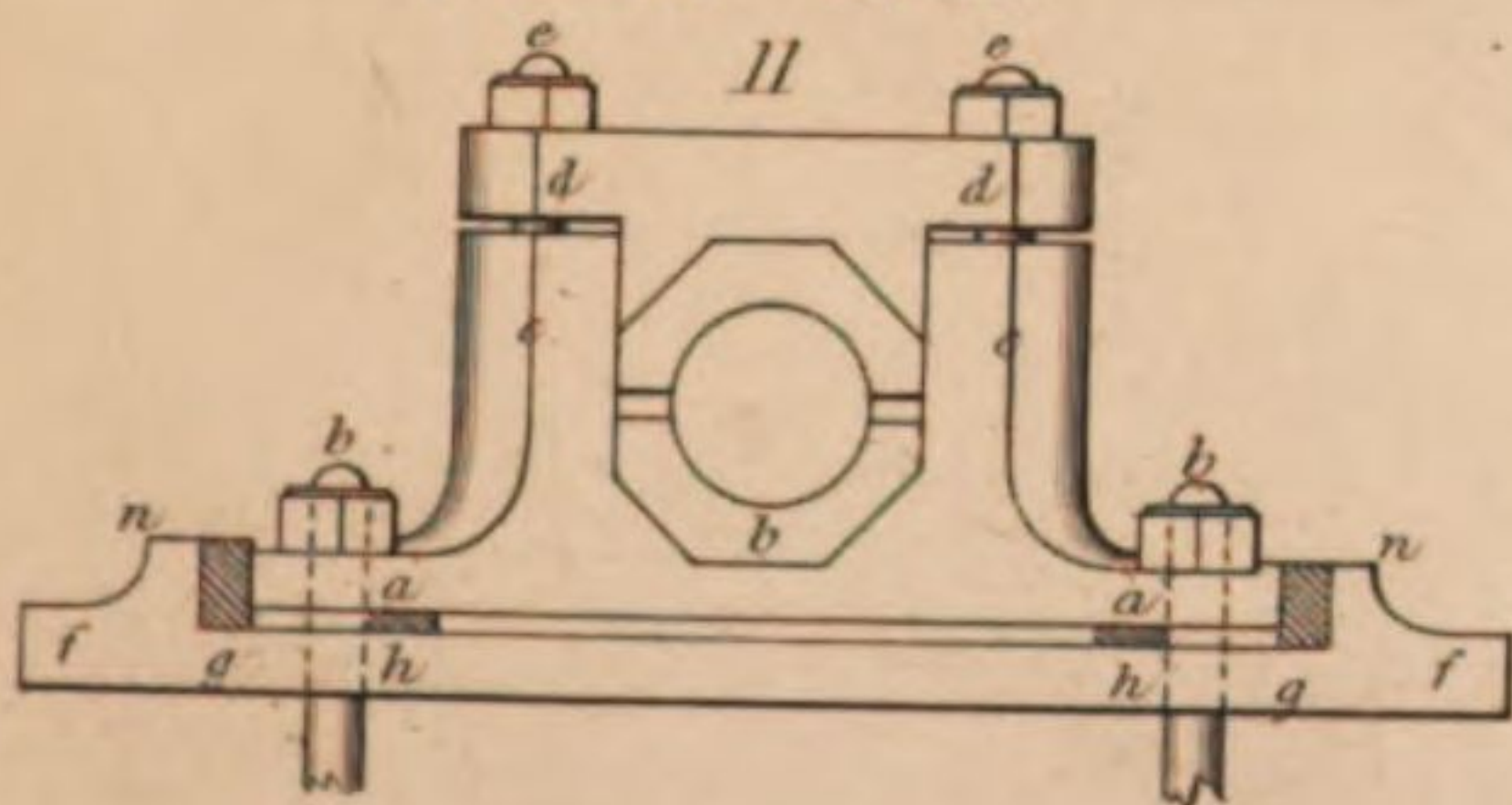
Improved gudgeon.



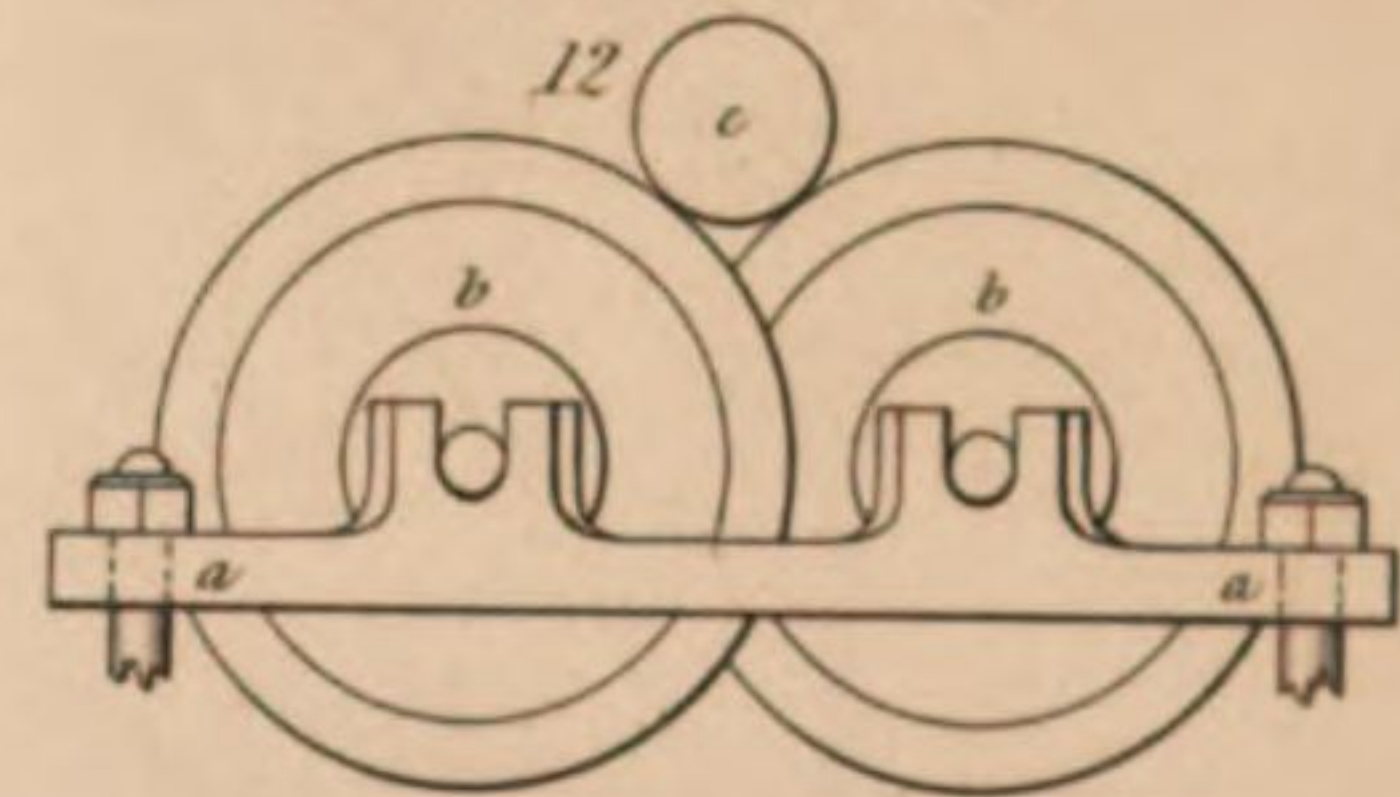
Cylindrical Shafts.



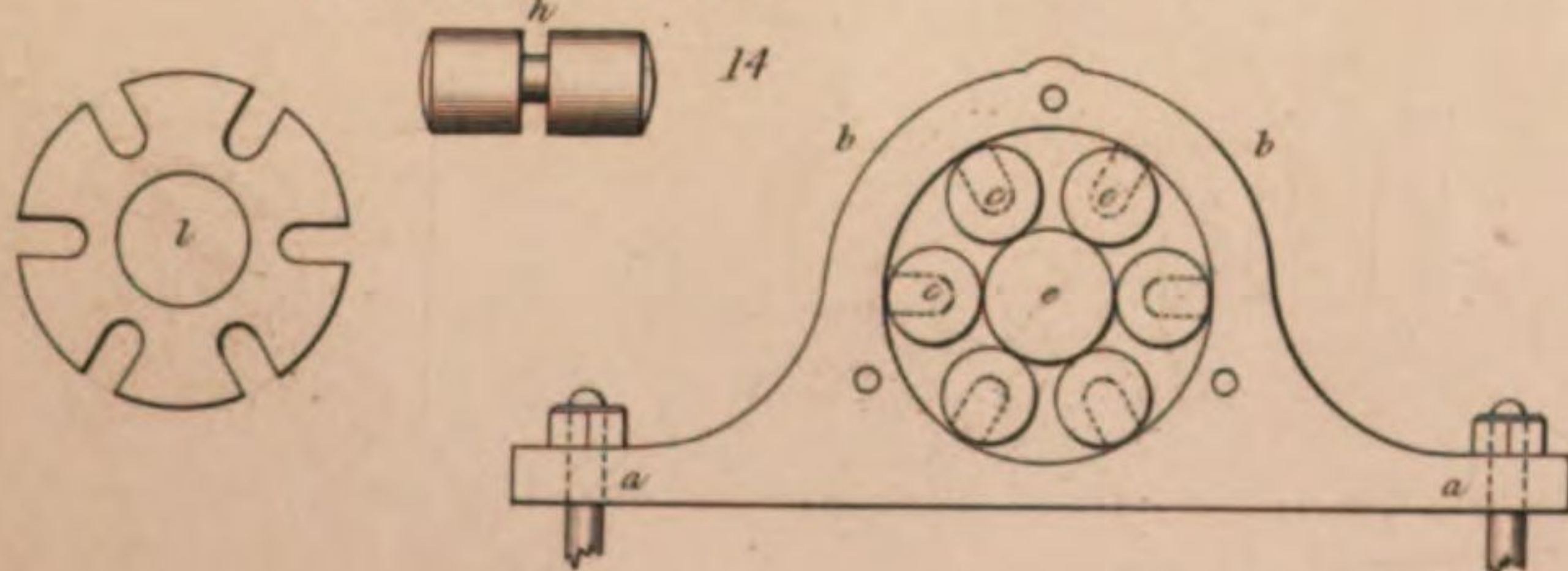
Plumber Block.



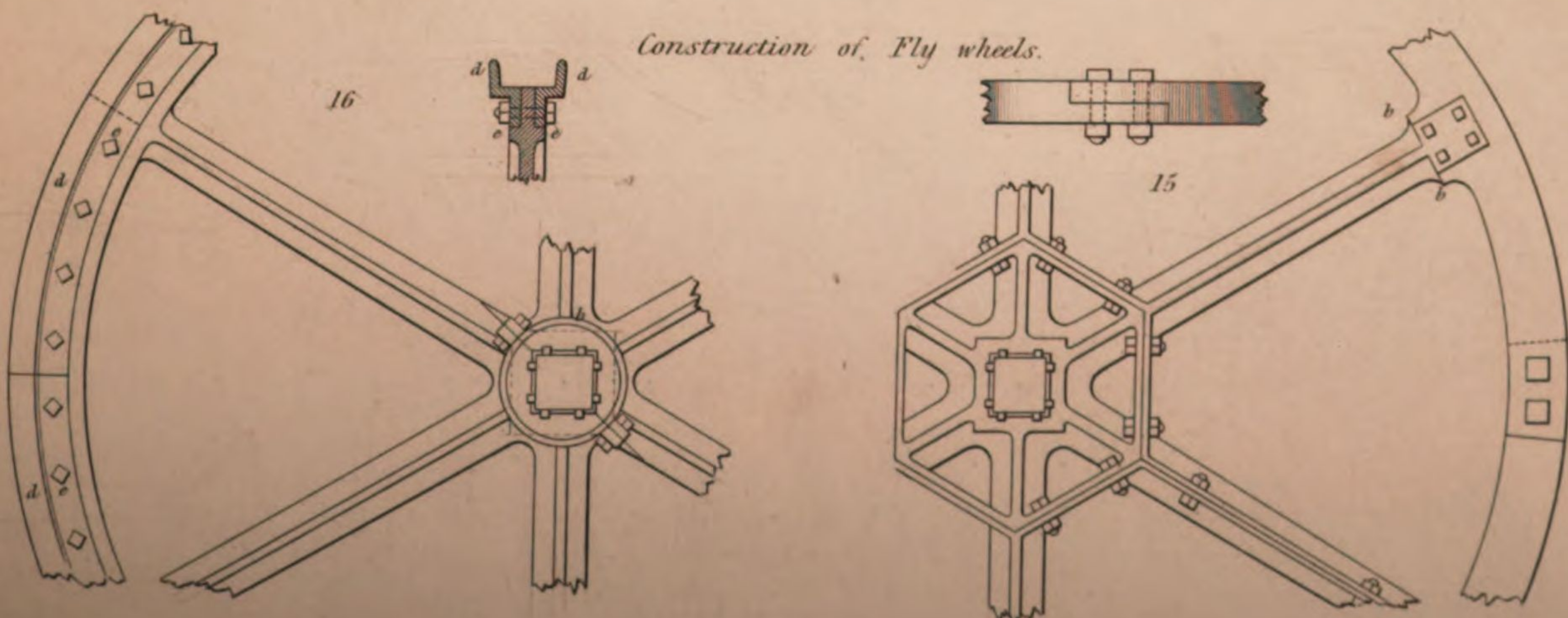
Friction wheels.



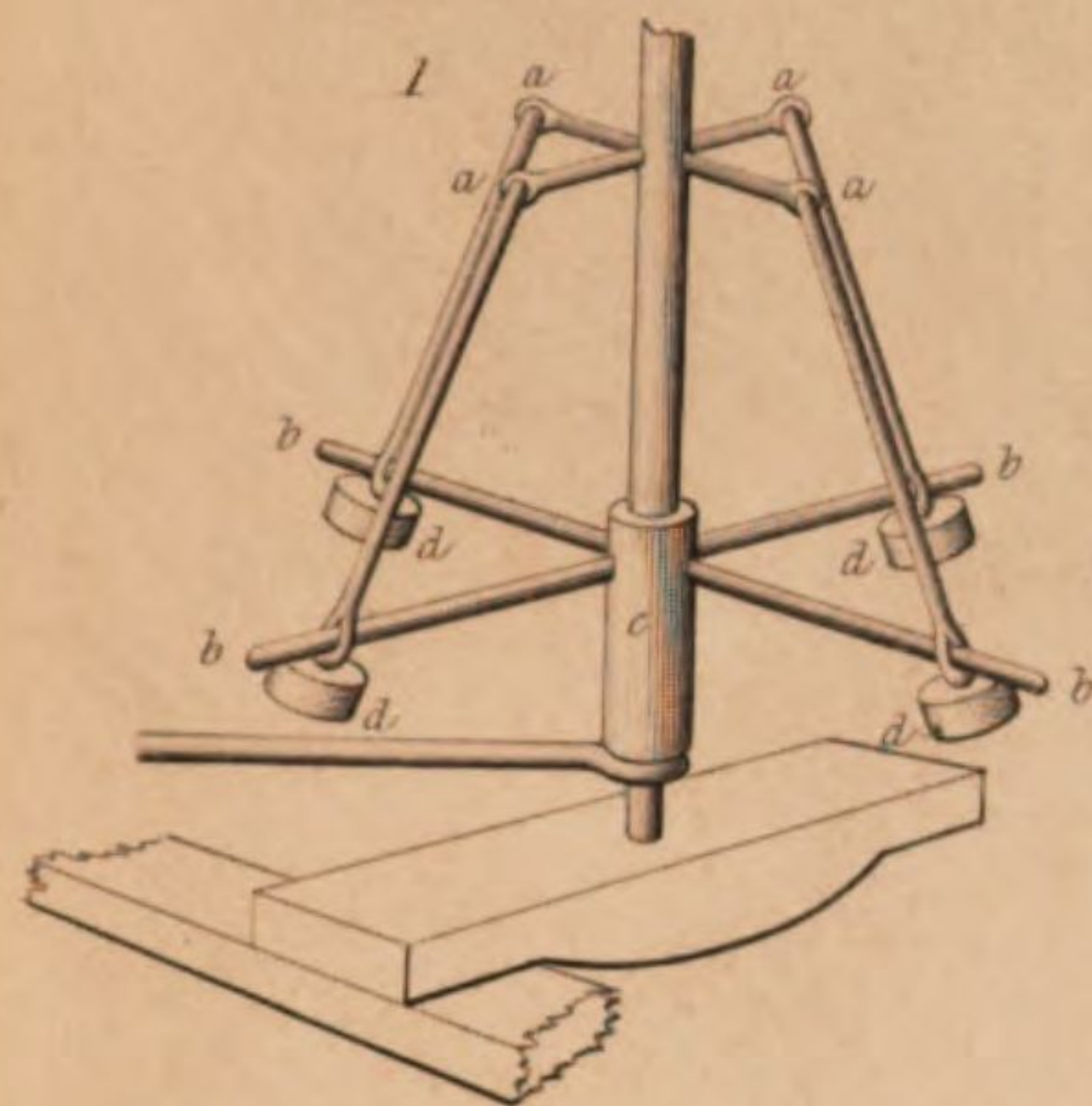
Friction Rollers.



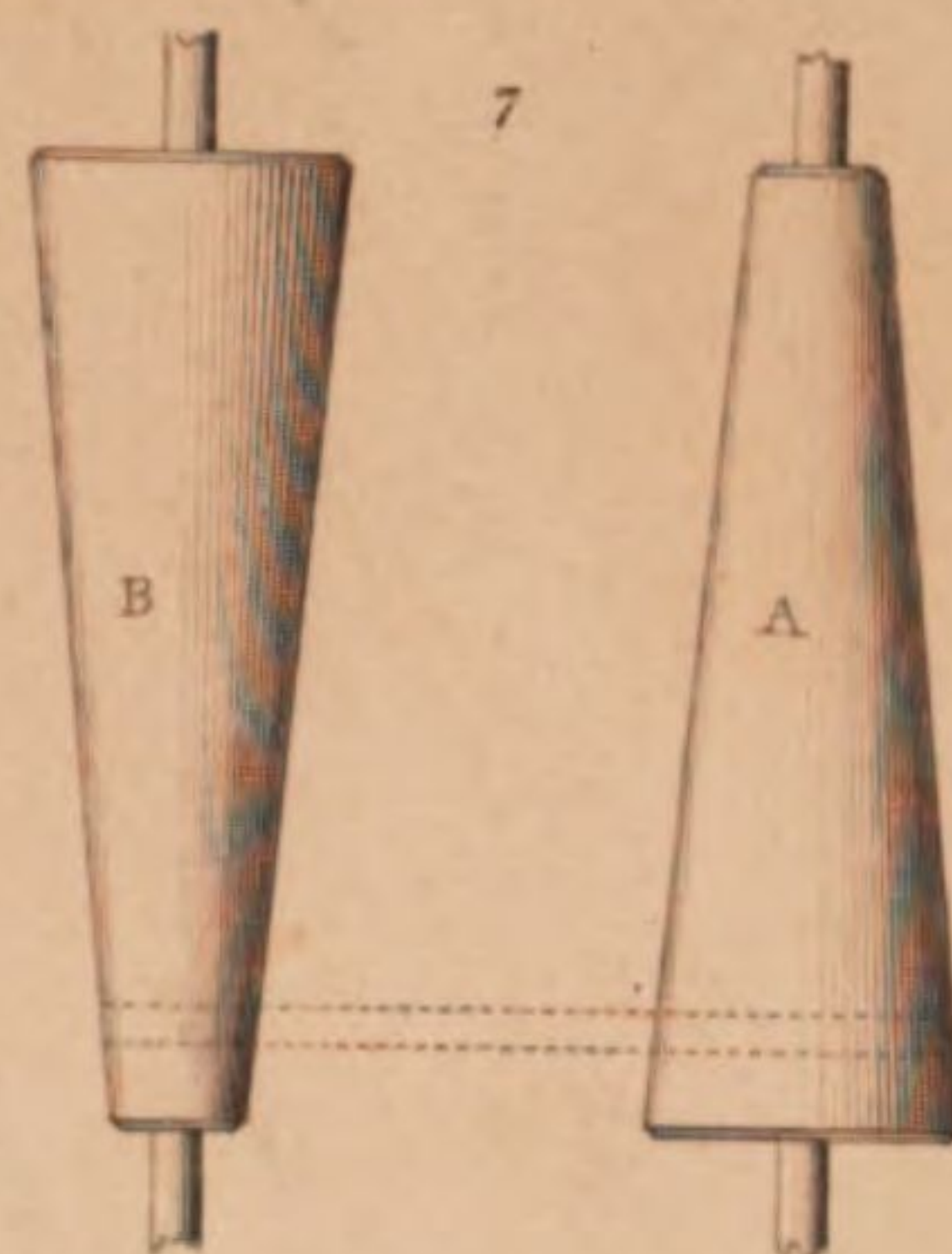
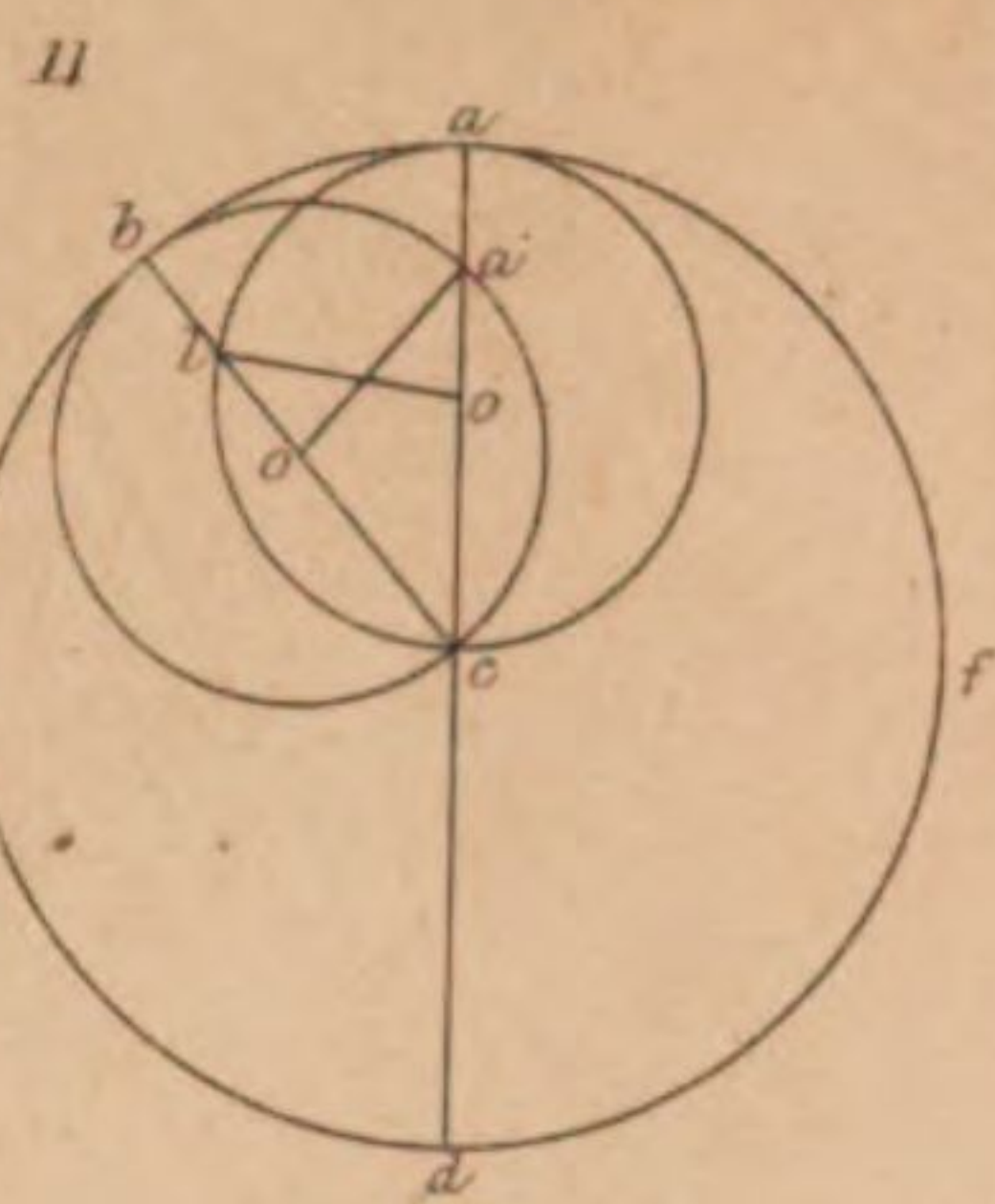
Construction of Fly wheels.



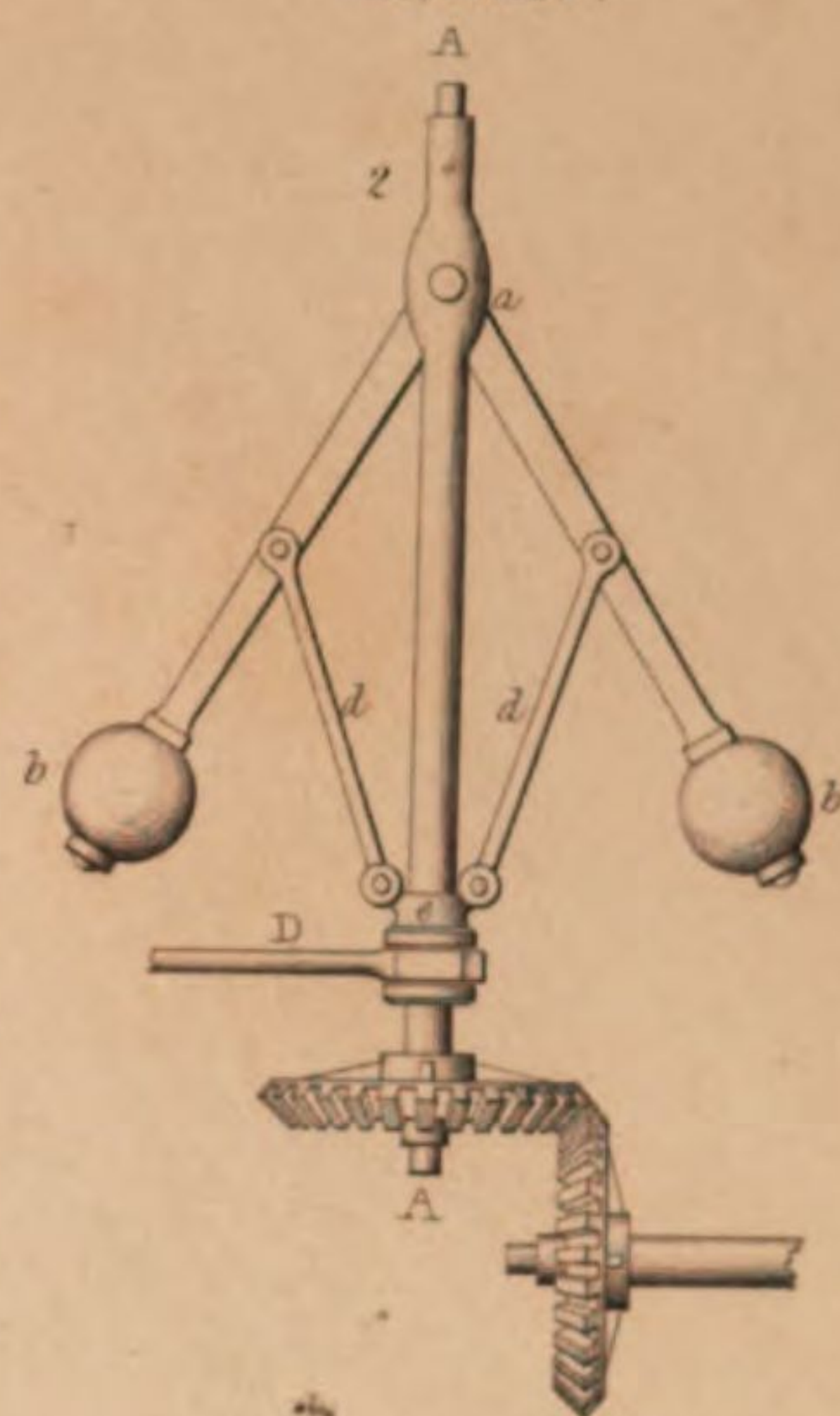
Lift tenter.



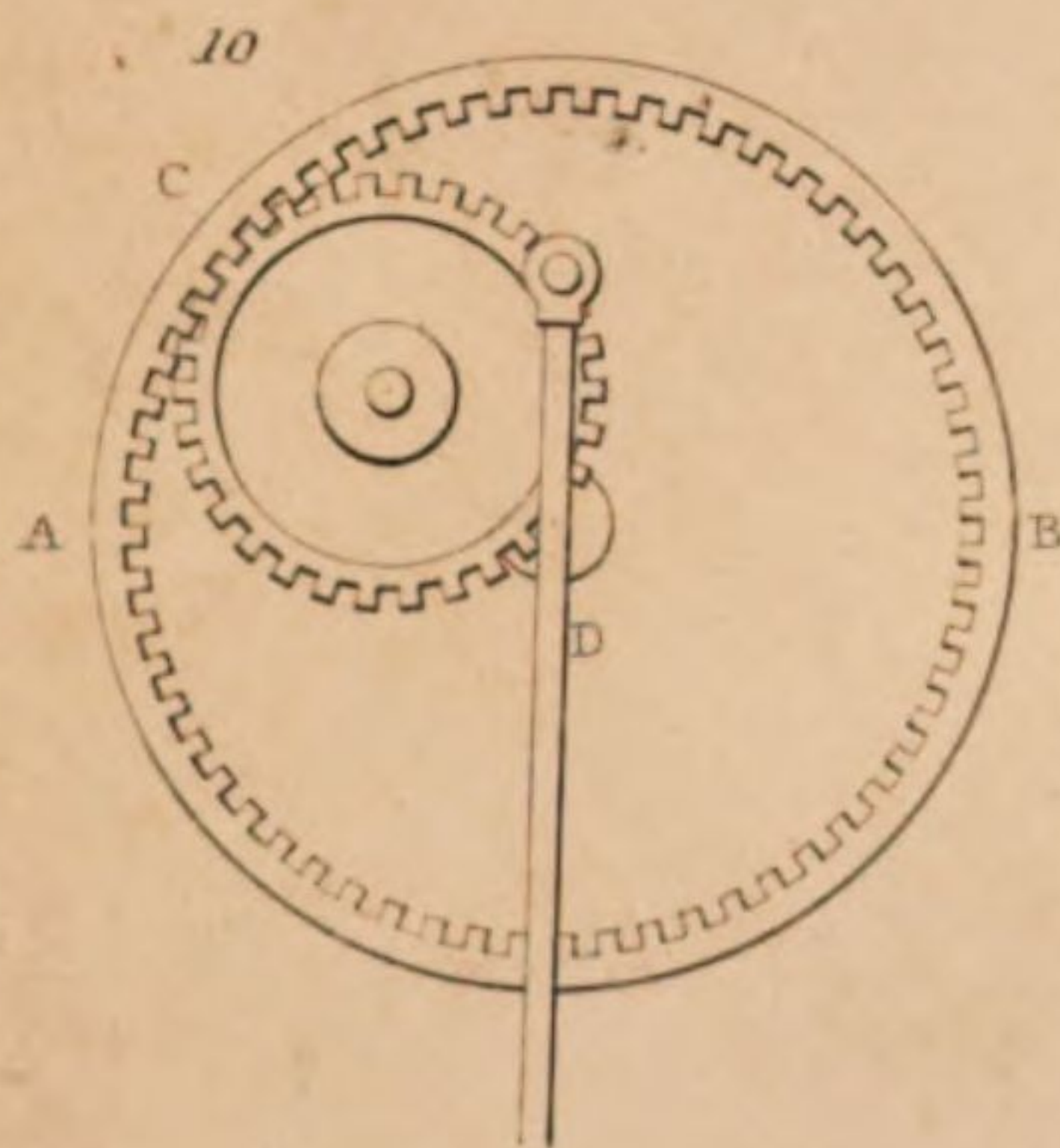
Changing velocity.



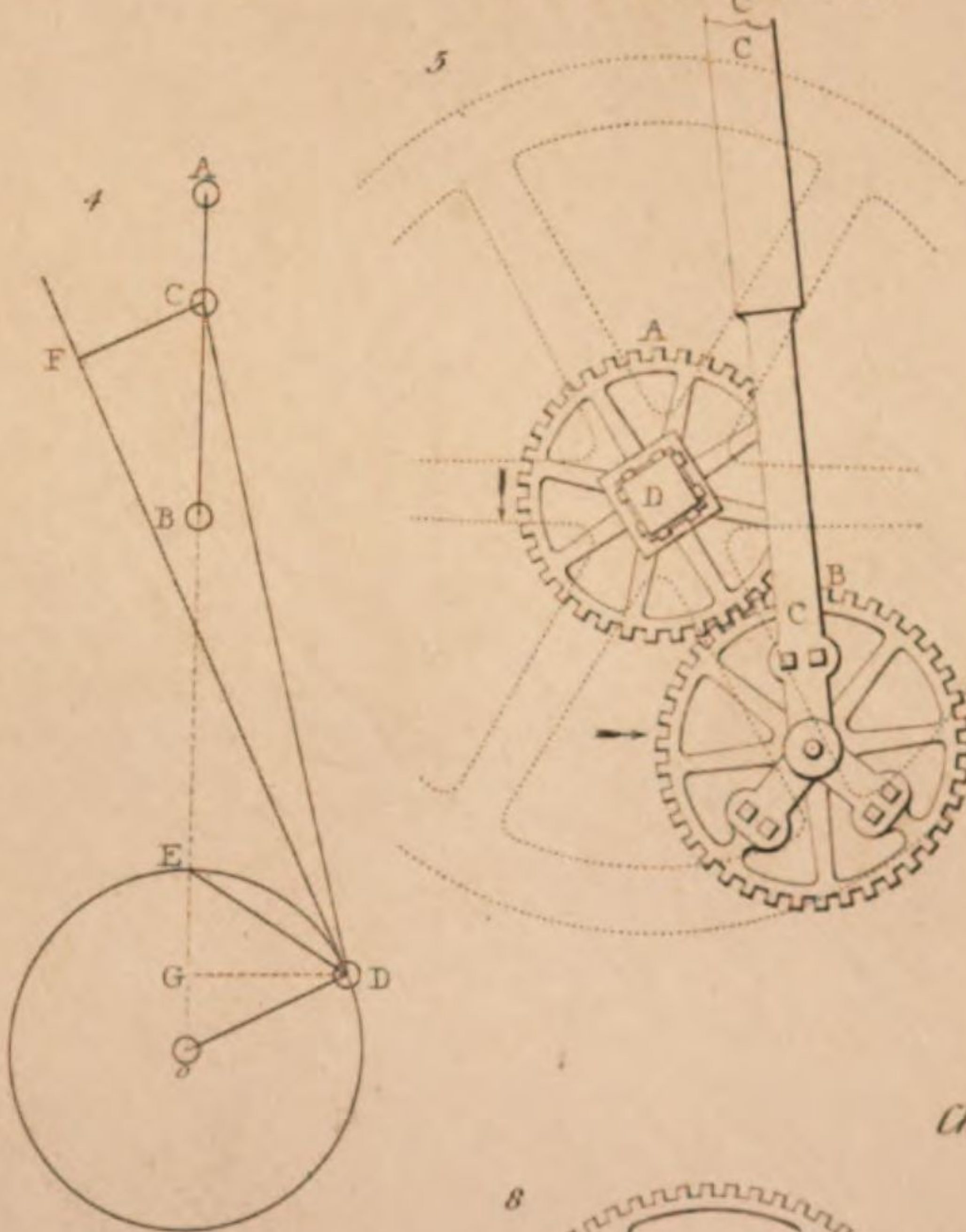
Governor.



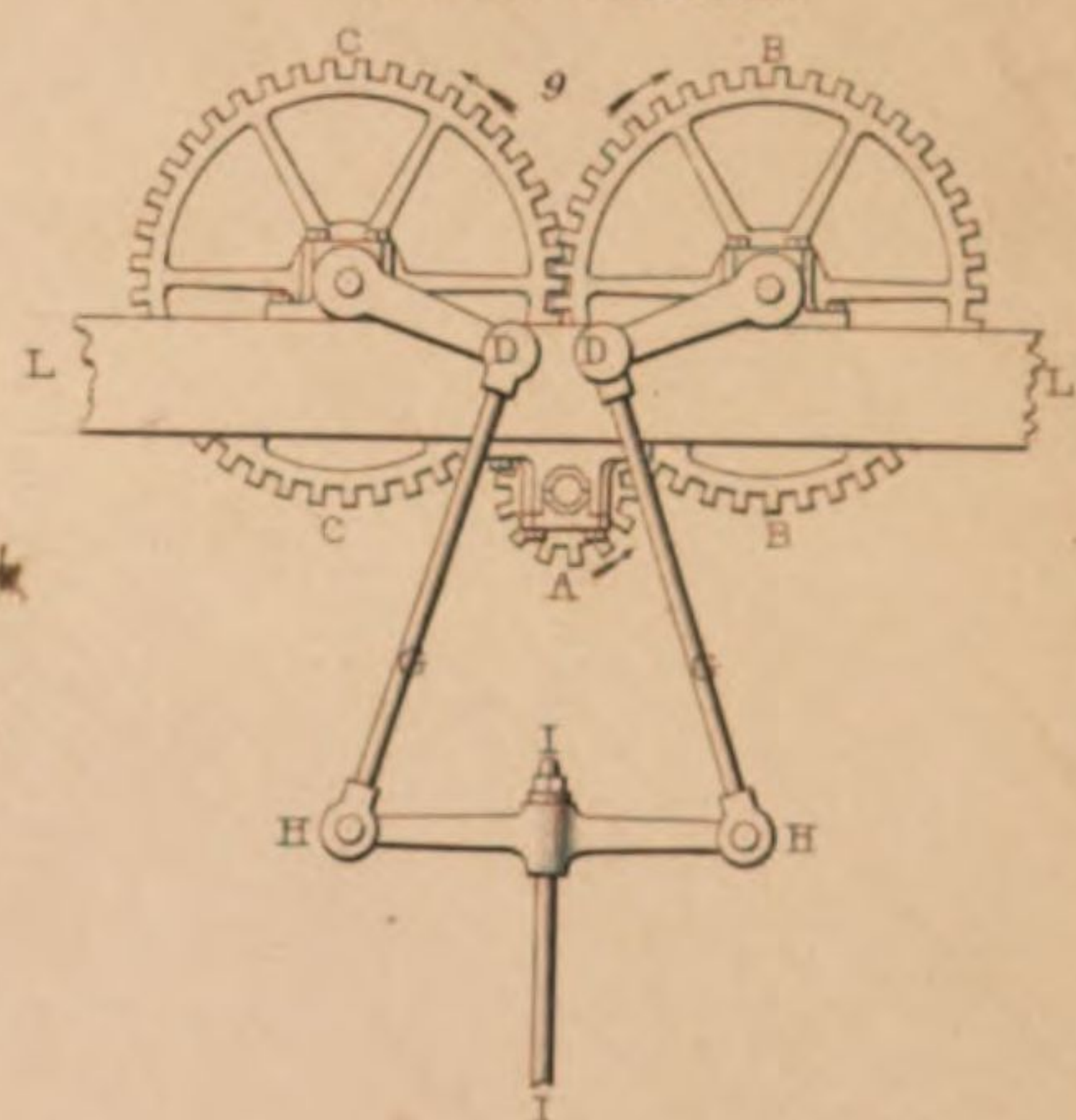
Parallel motions.



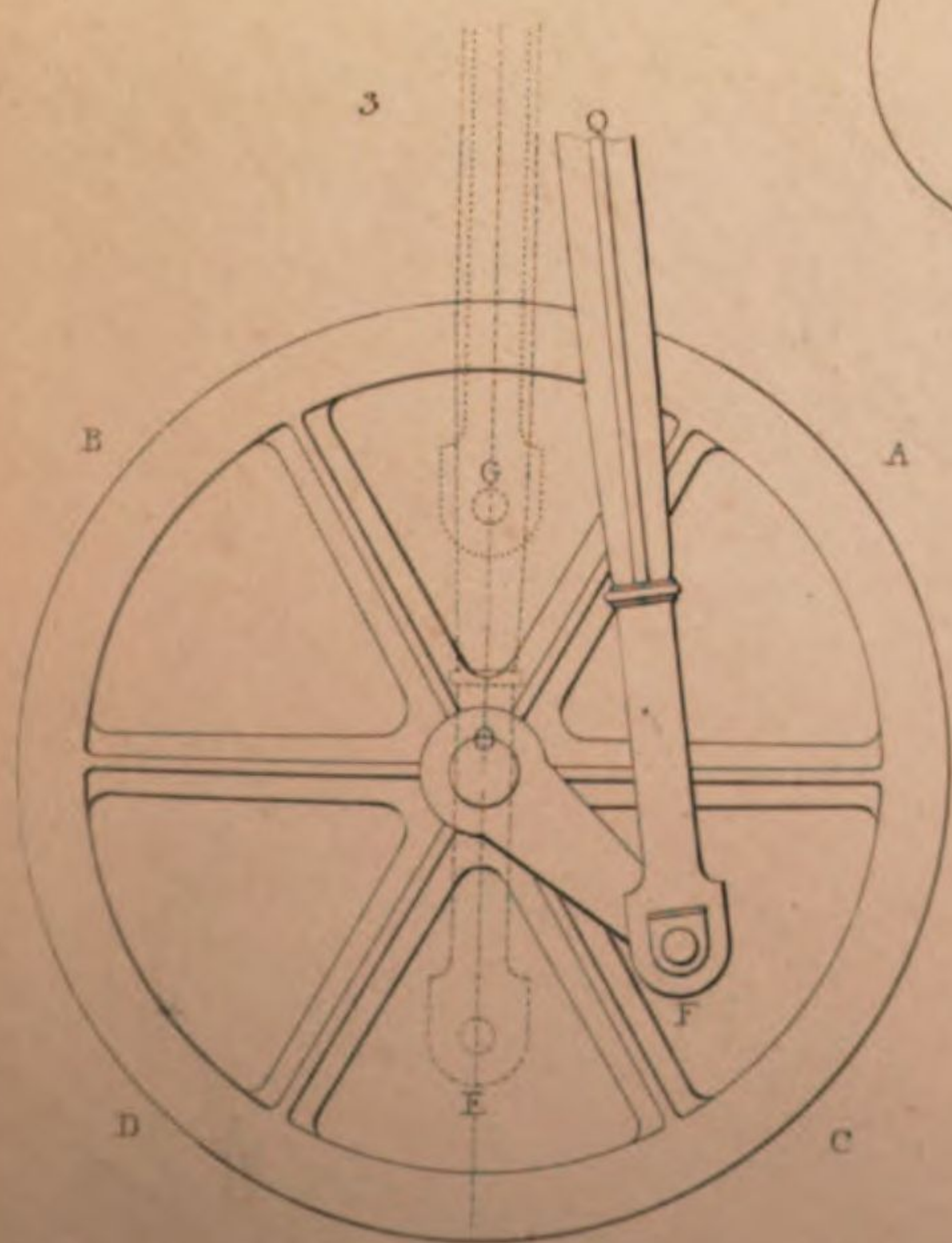
Sun & Planet wheel.



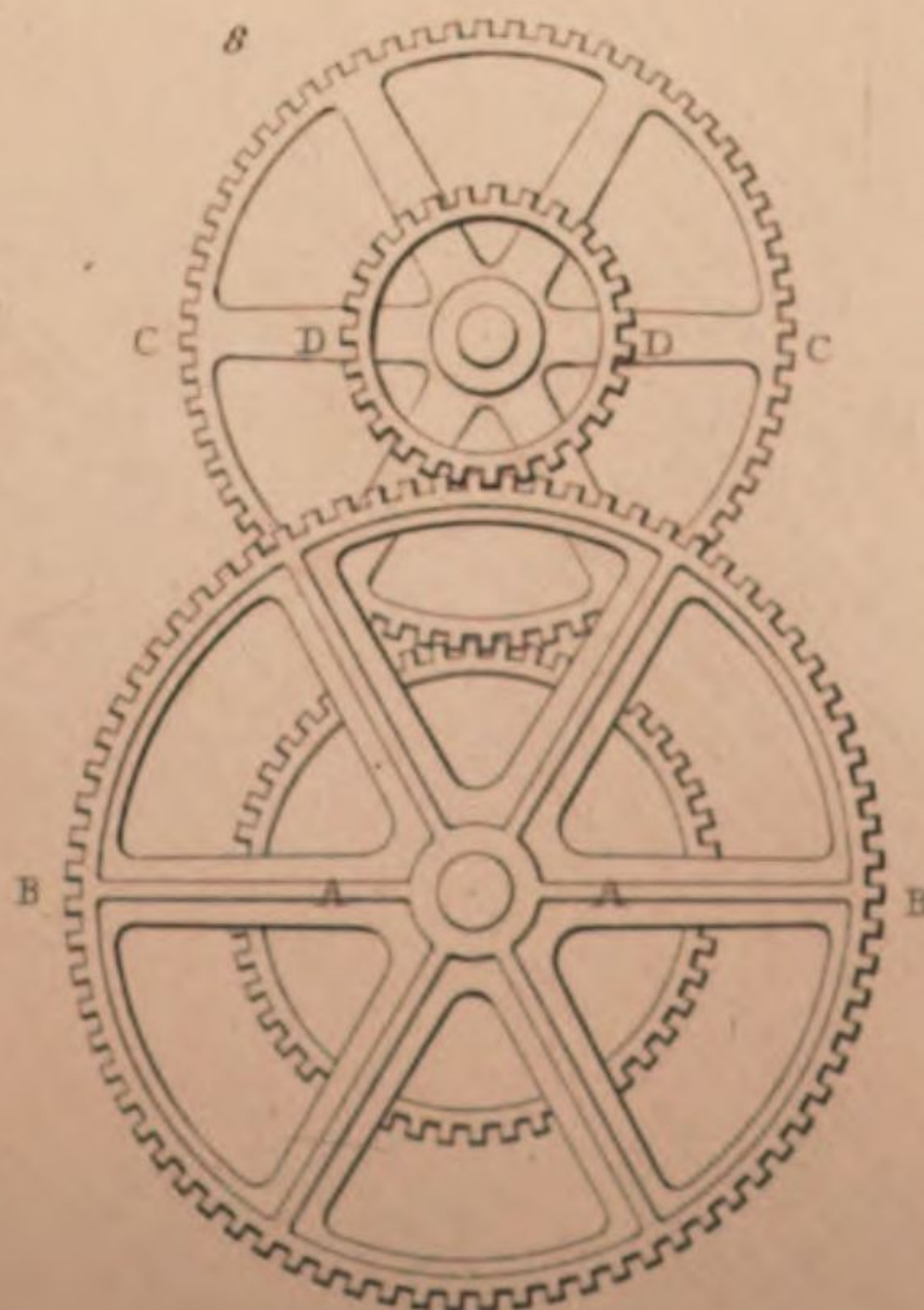
Parallel motions.

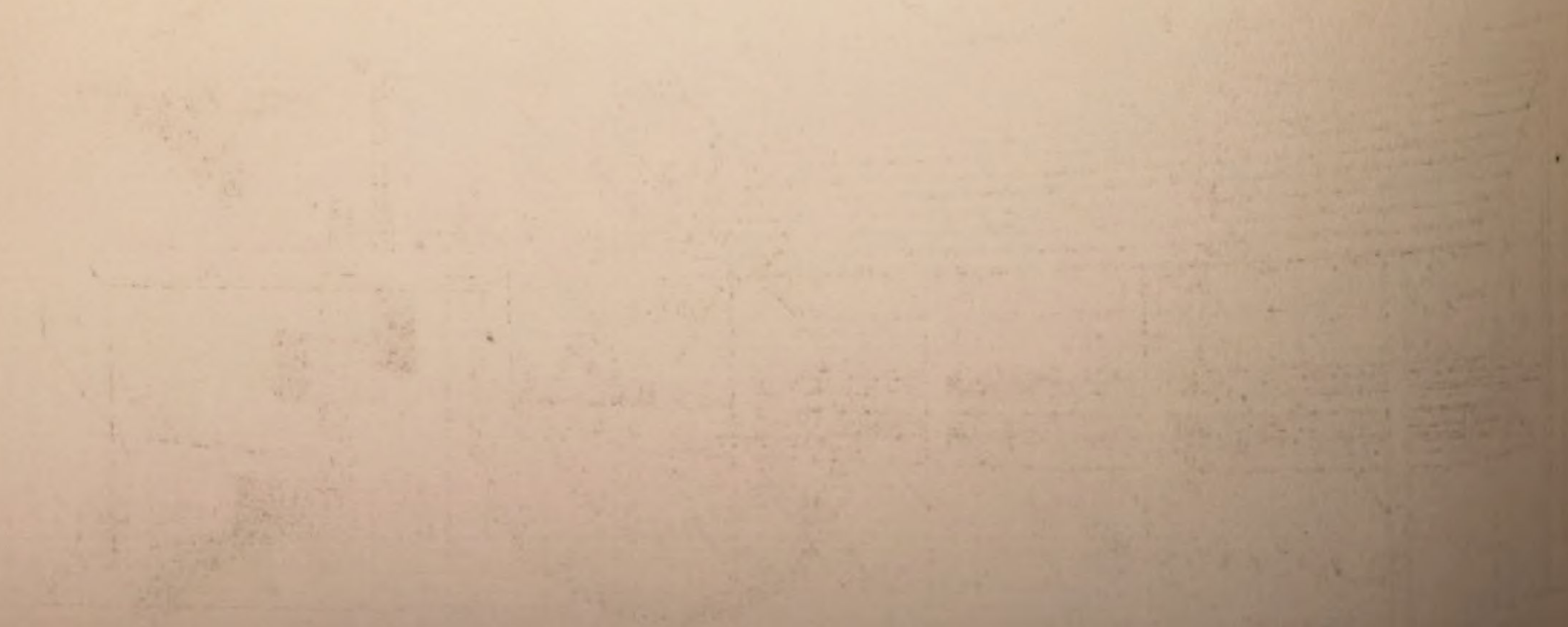
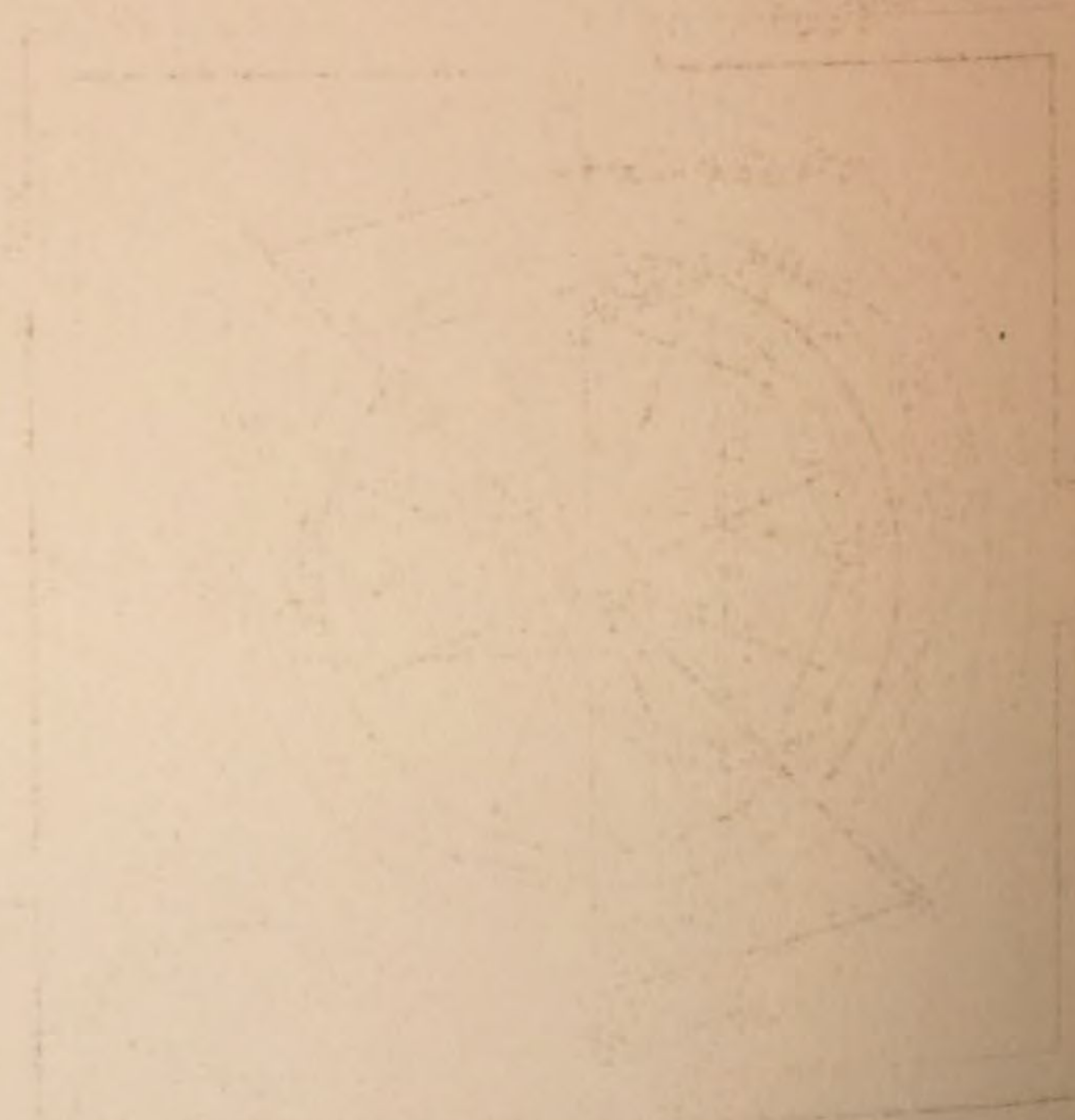
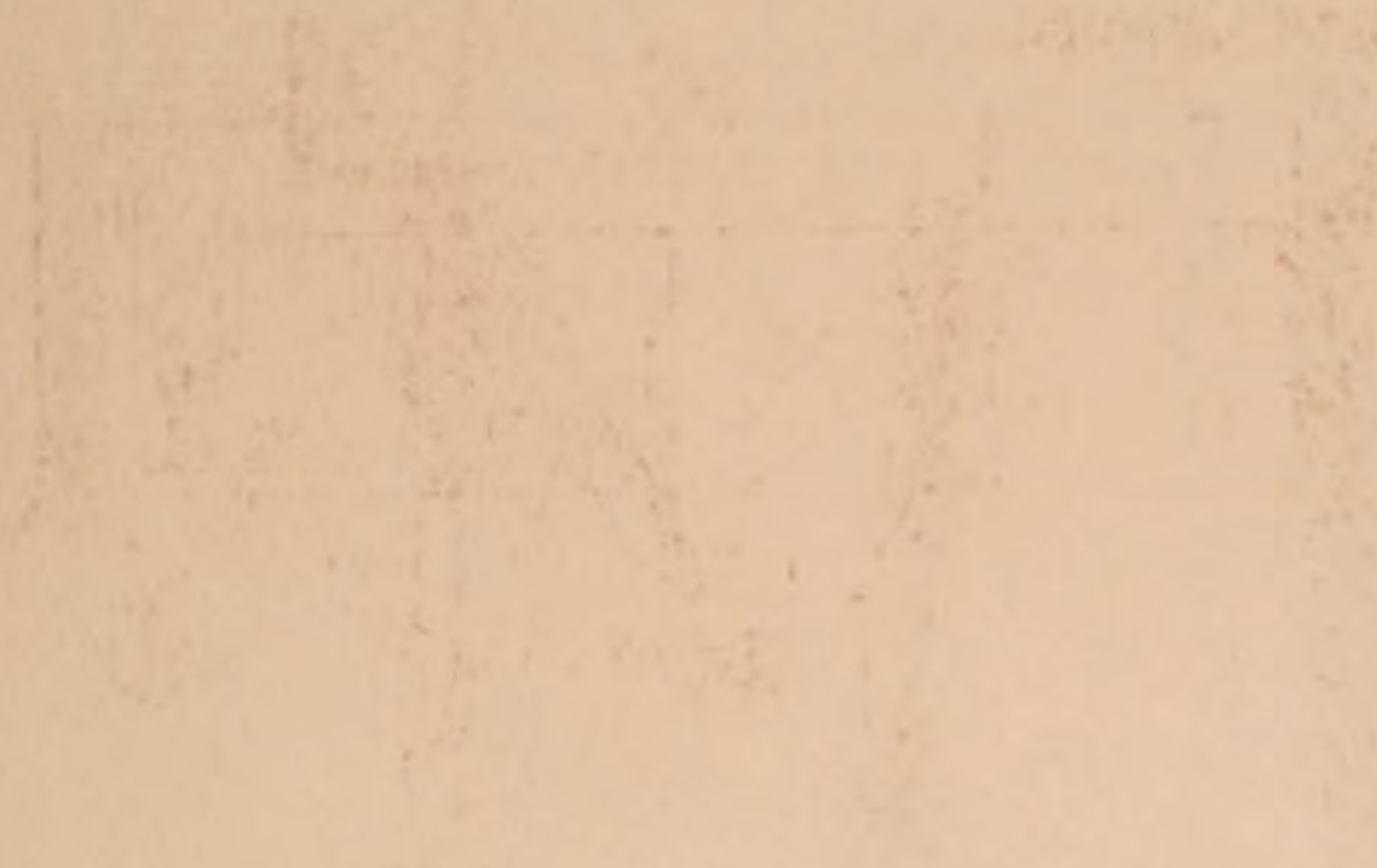


Crank



Changing velocity.



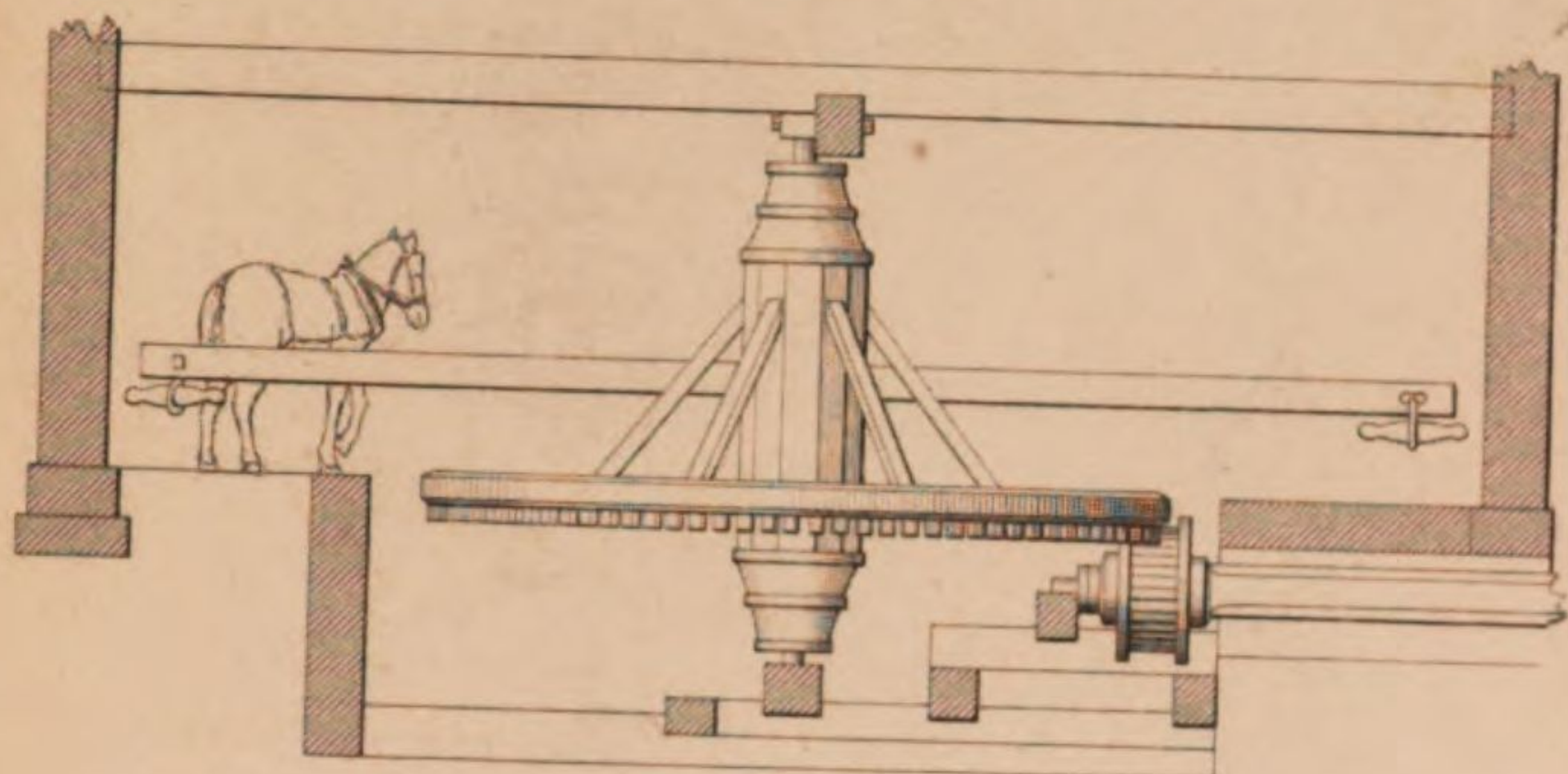


MANUFACTURES.

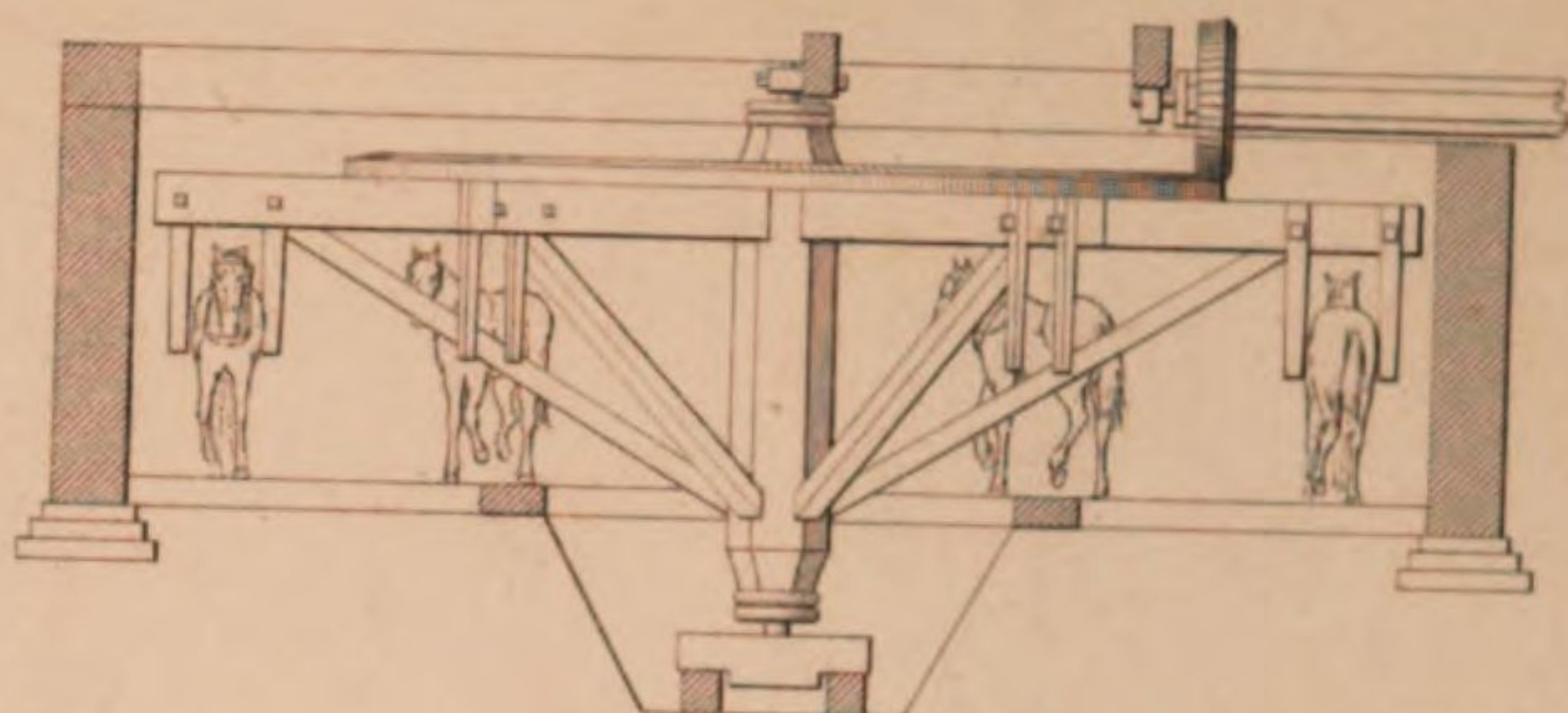
MILLS.

Plate V.

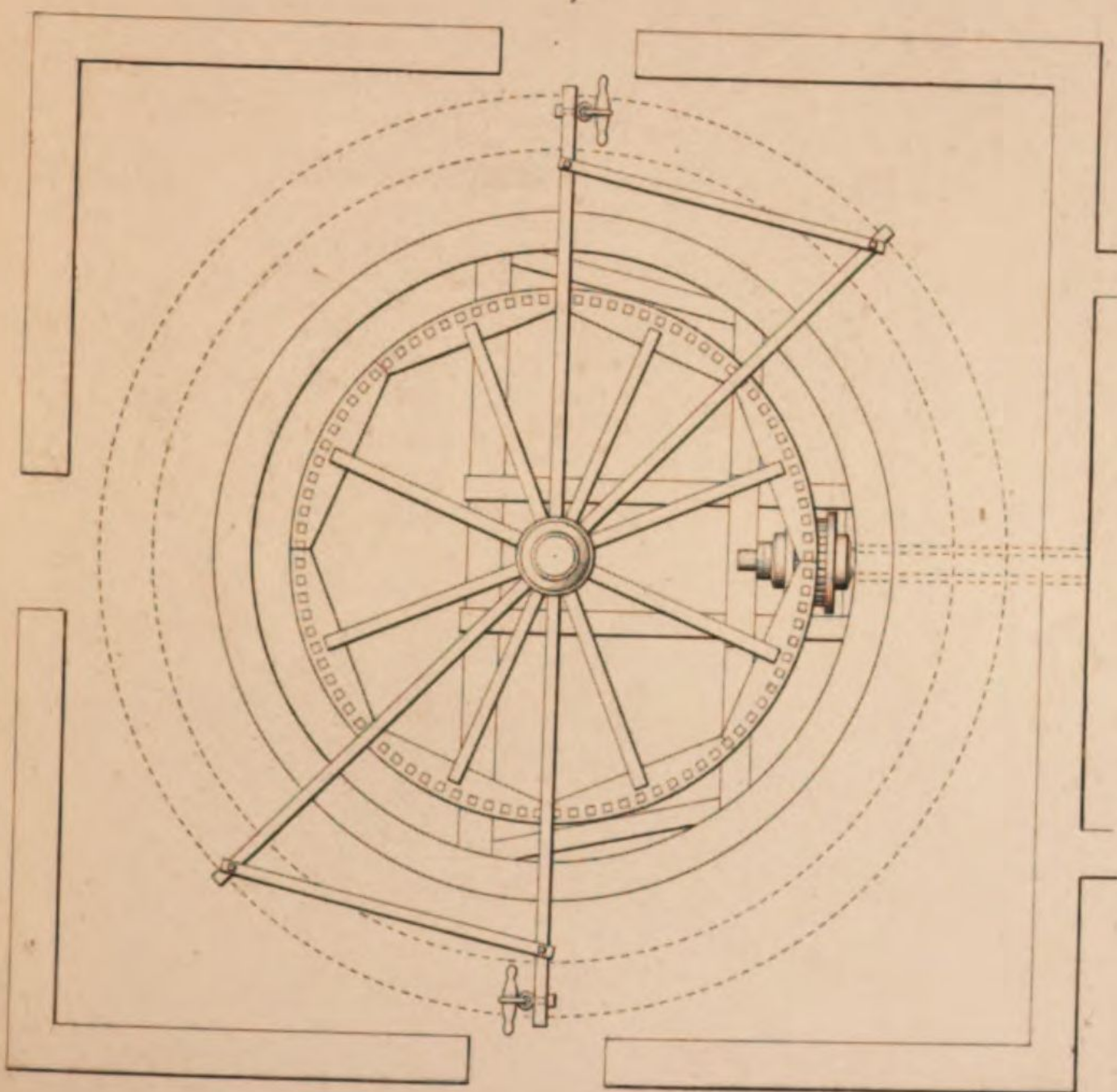
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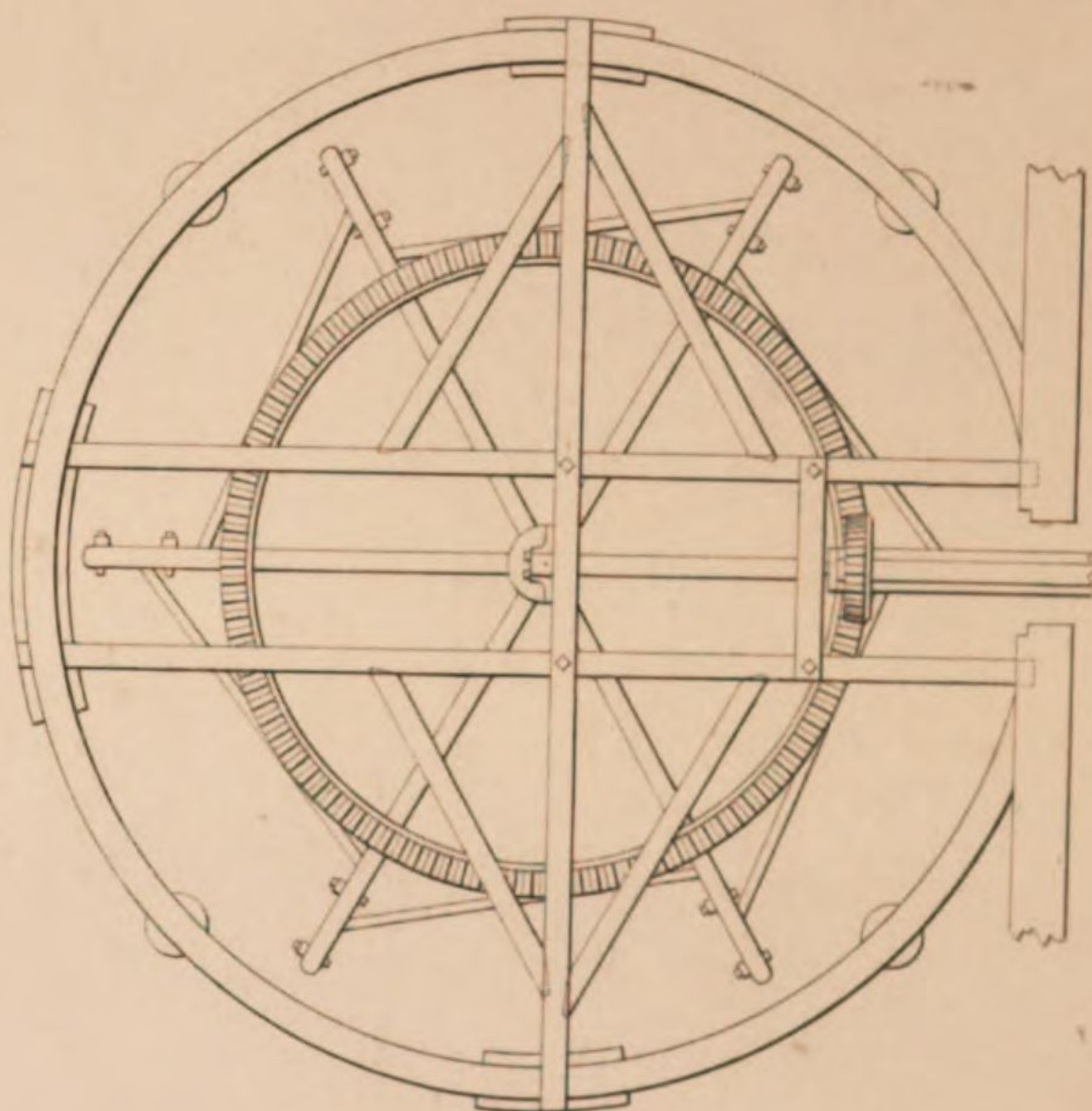
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4



6



2

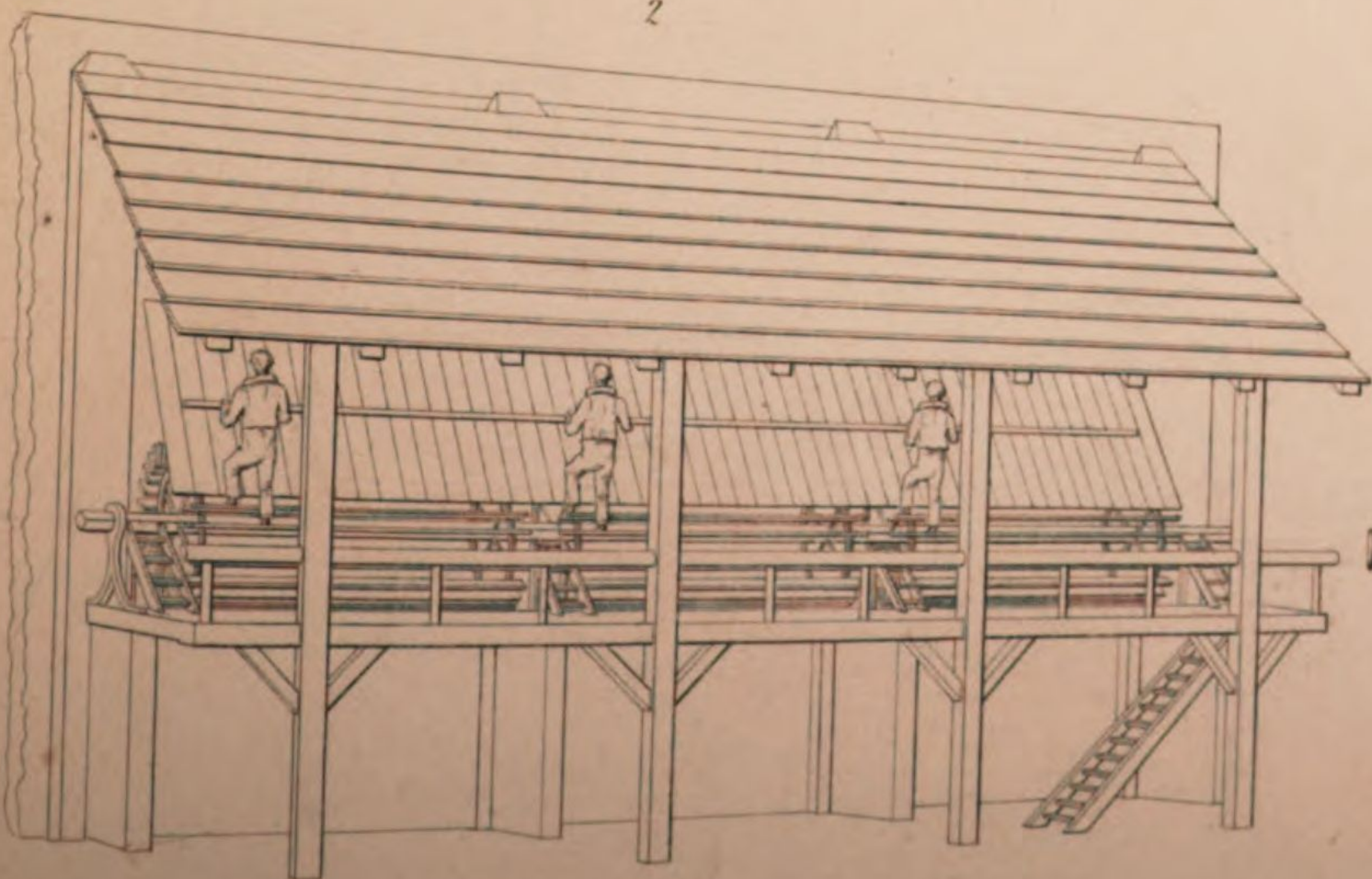
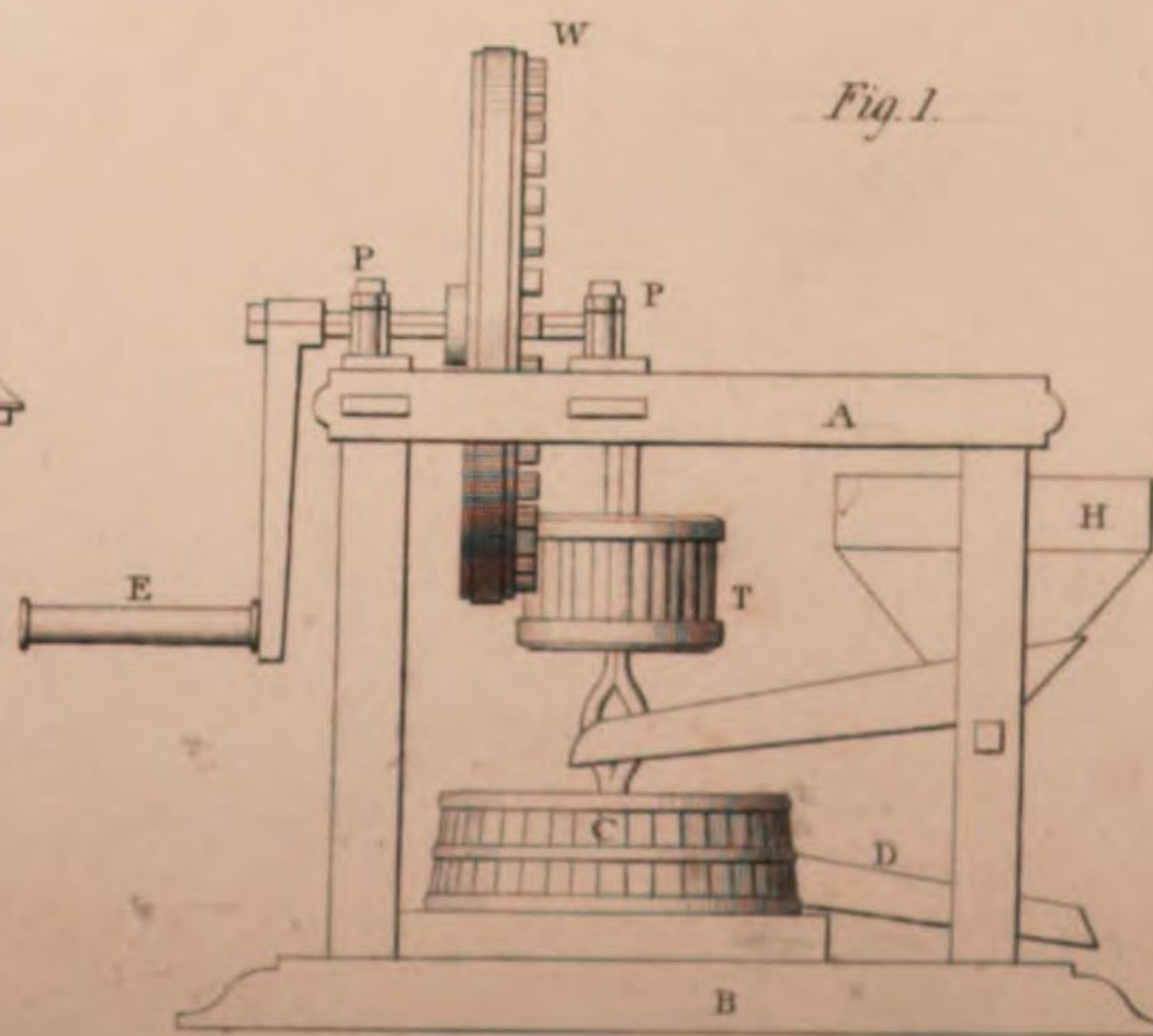
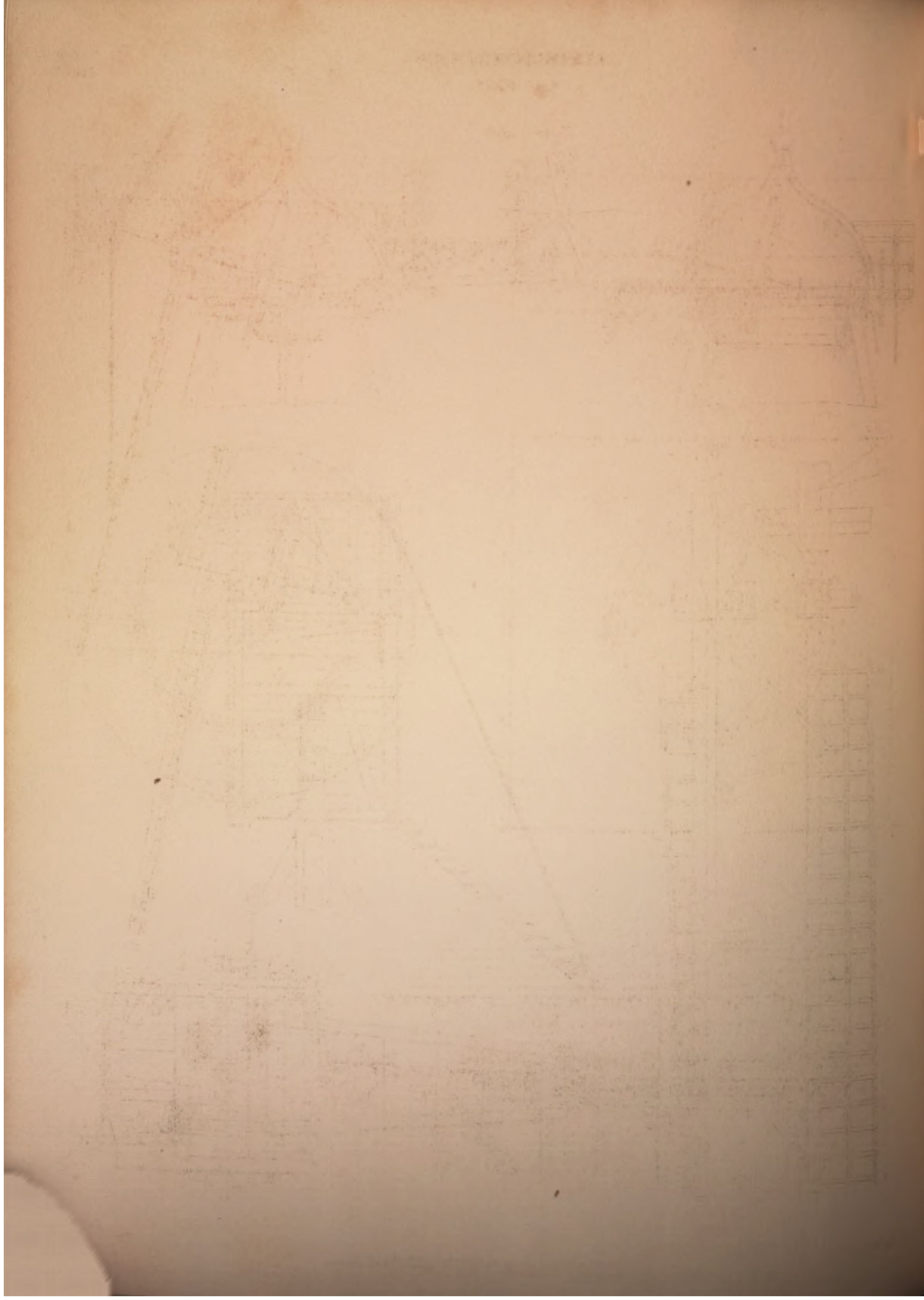


Fig. 1.



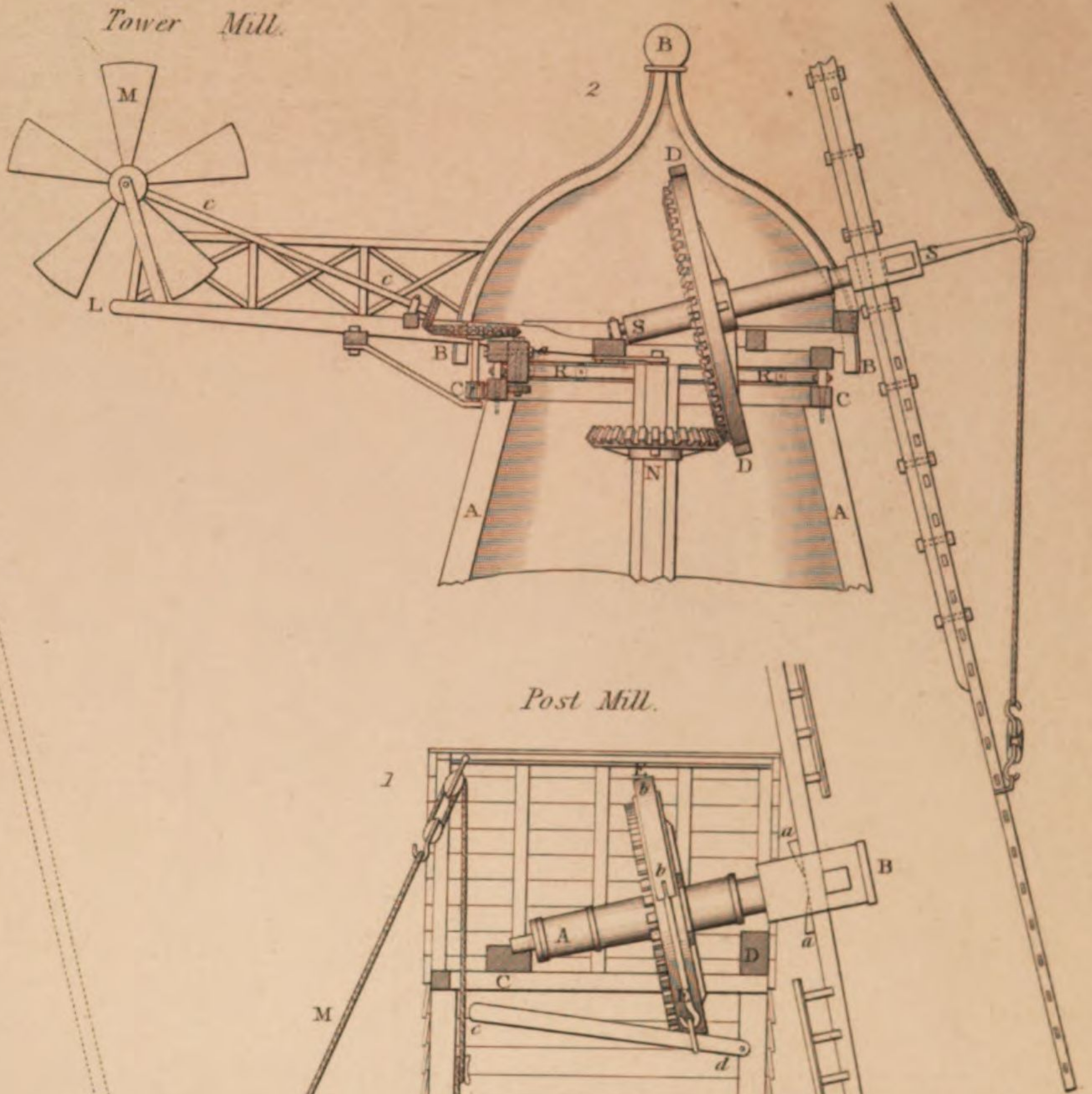


MANUFACTURES.

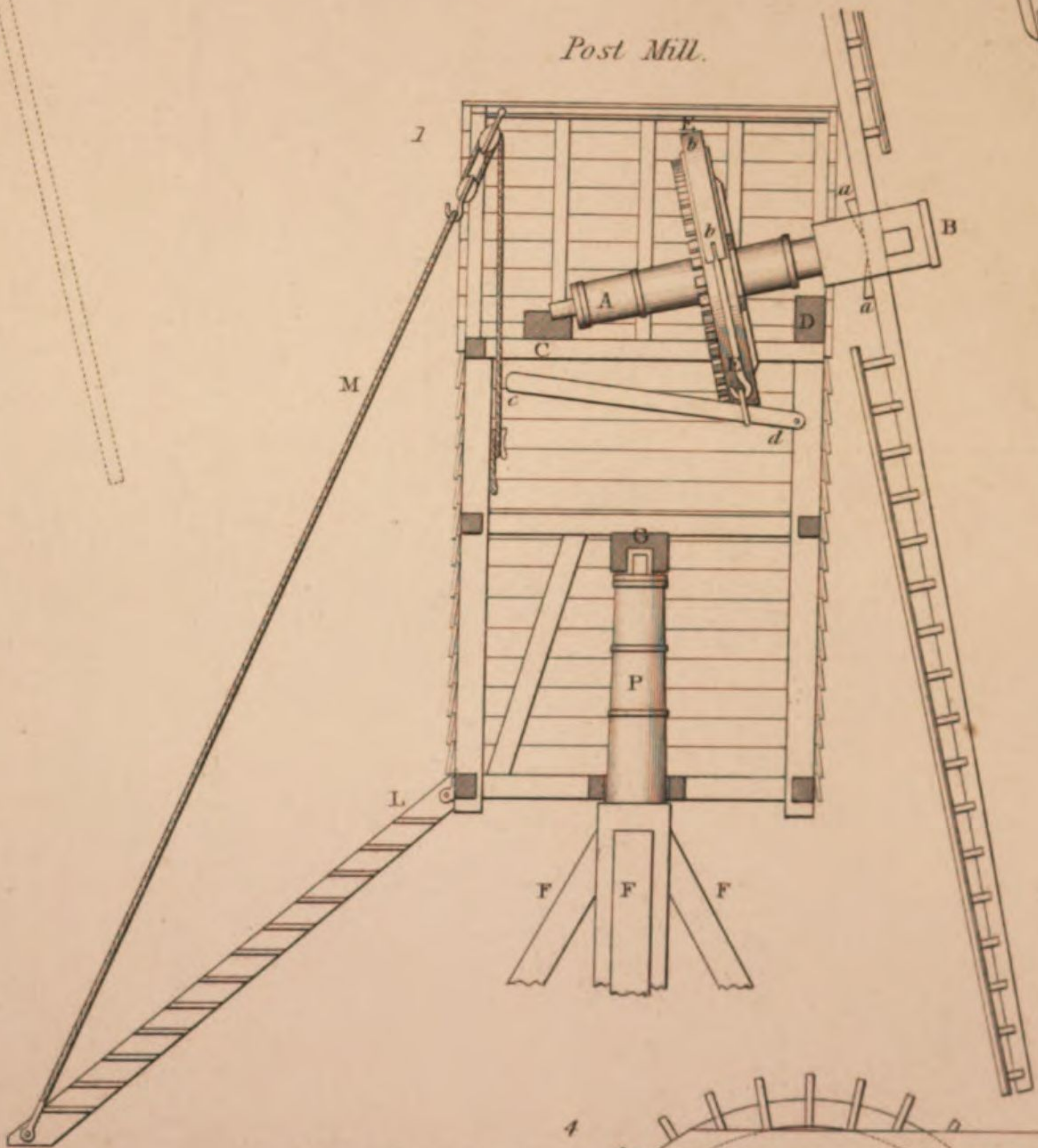
WIND MILL.

Plate VI

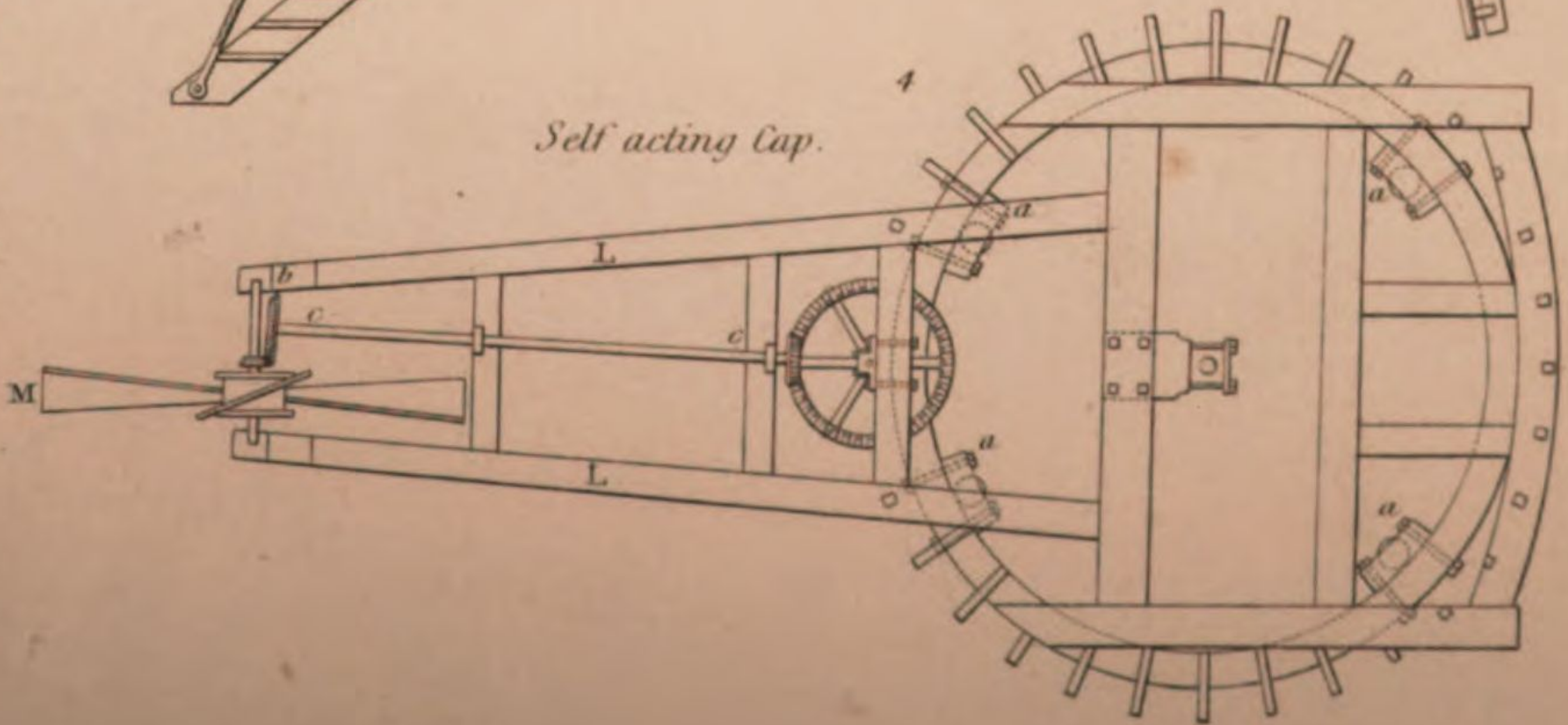
Tower Mill.



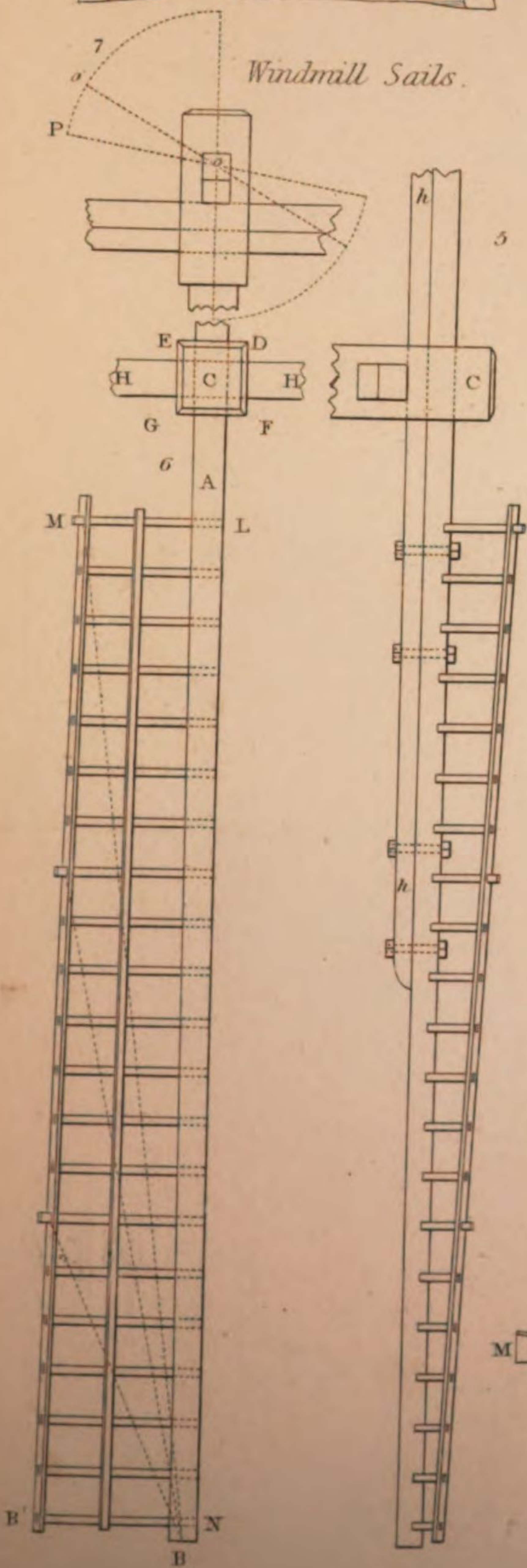
Post Mill.



Self acting Cap.



Windmill Sails.

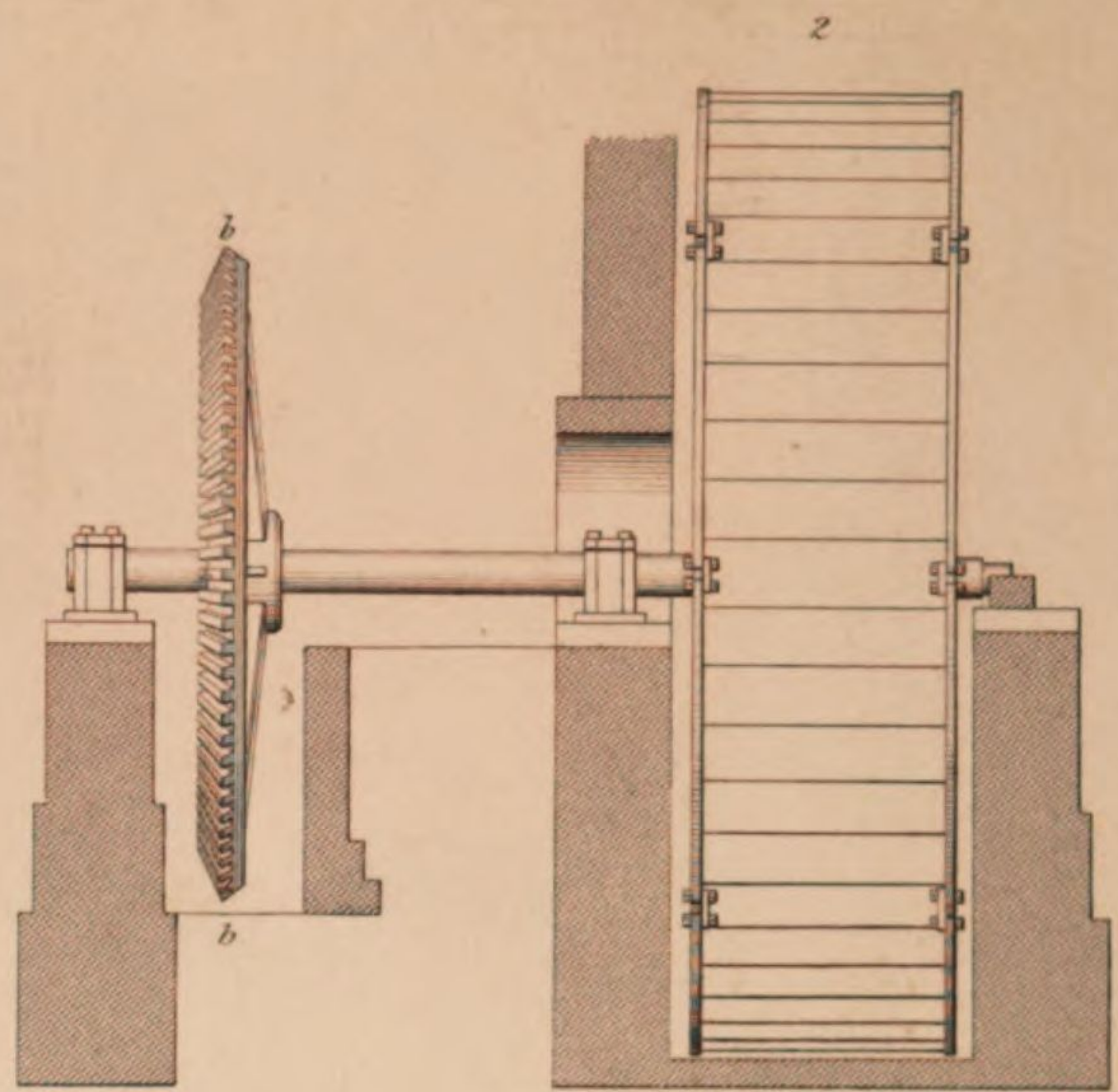
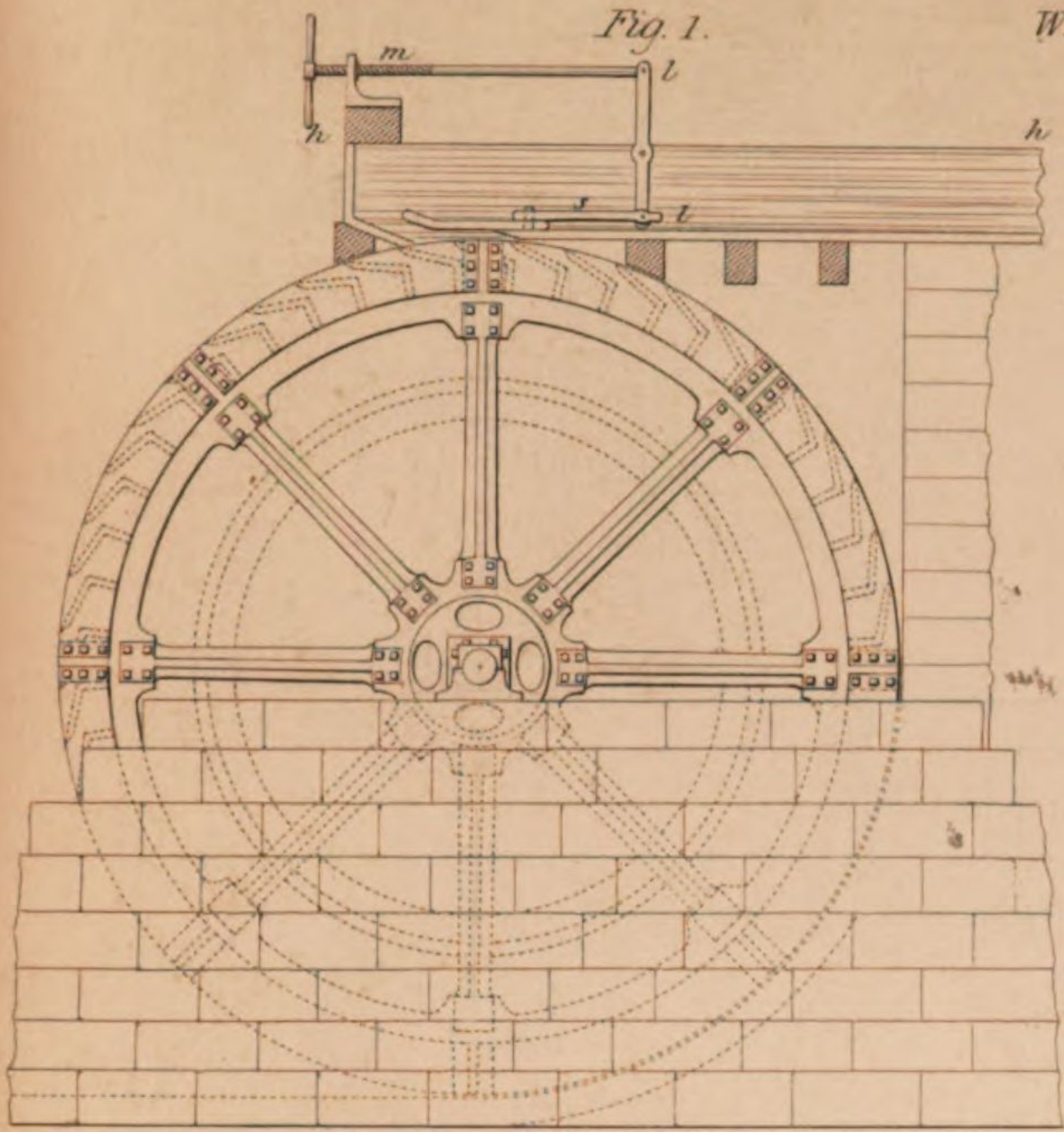


MANUFACTURES.

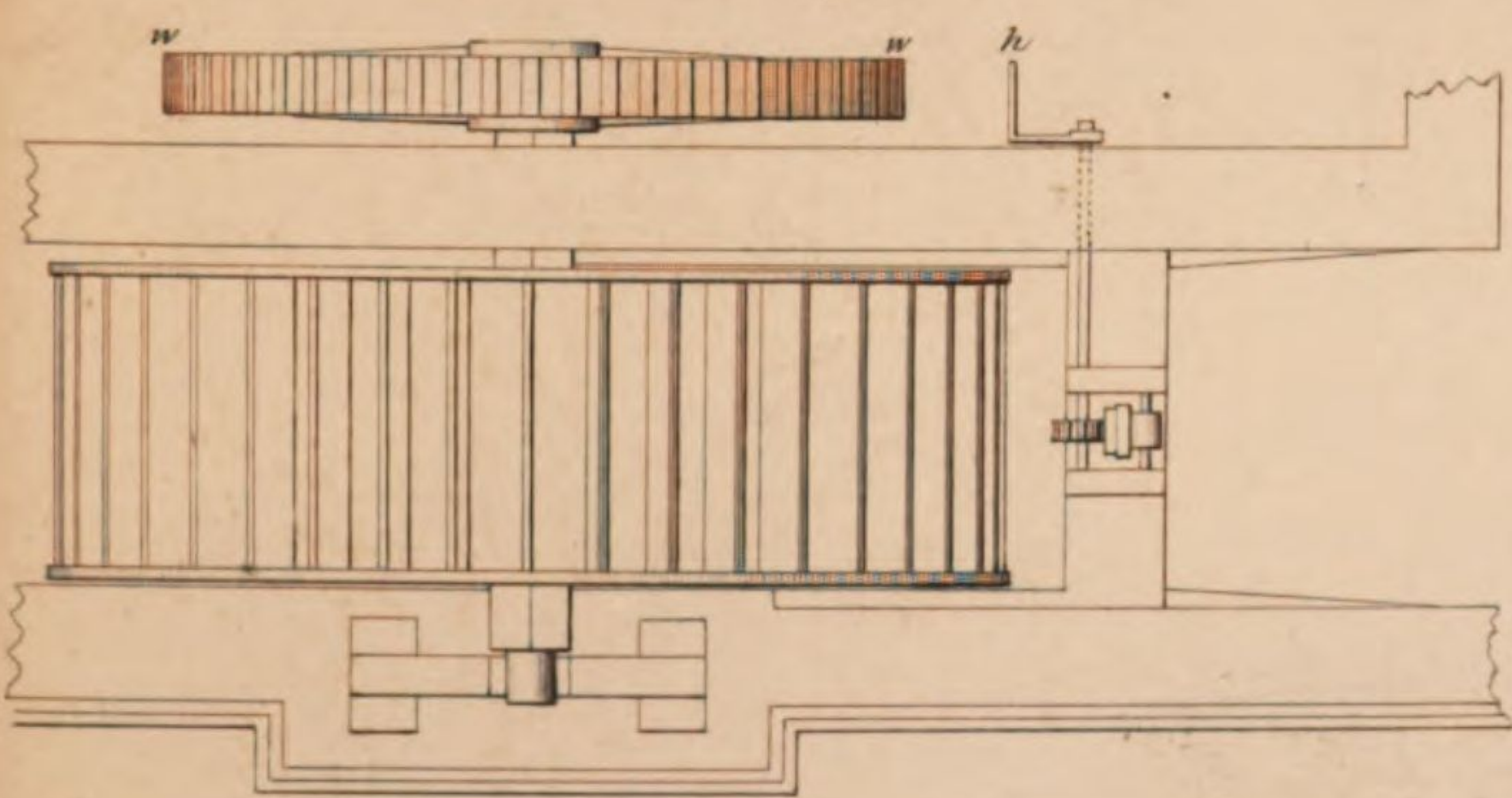
WATER MILL.

PLATE VII.

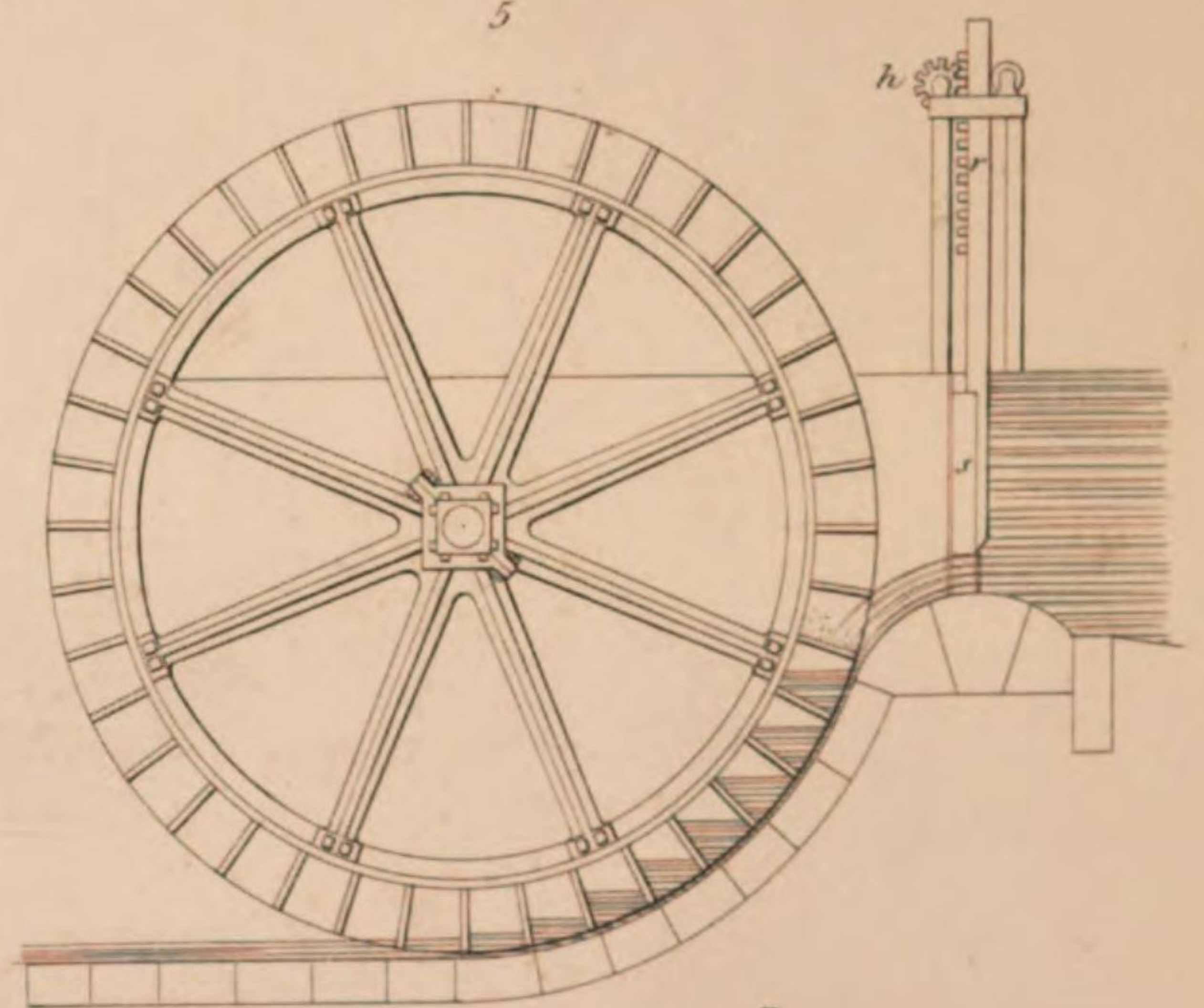
Fig. 1.



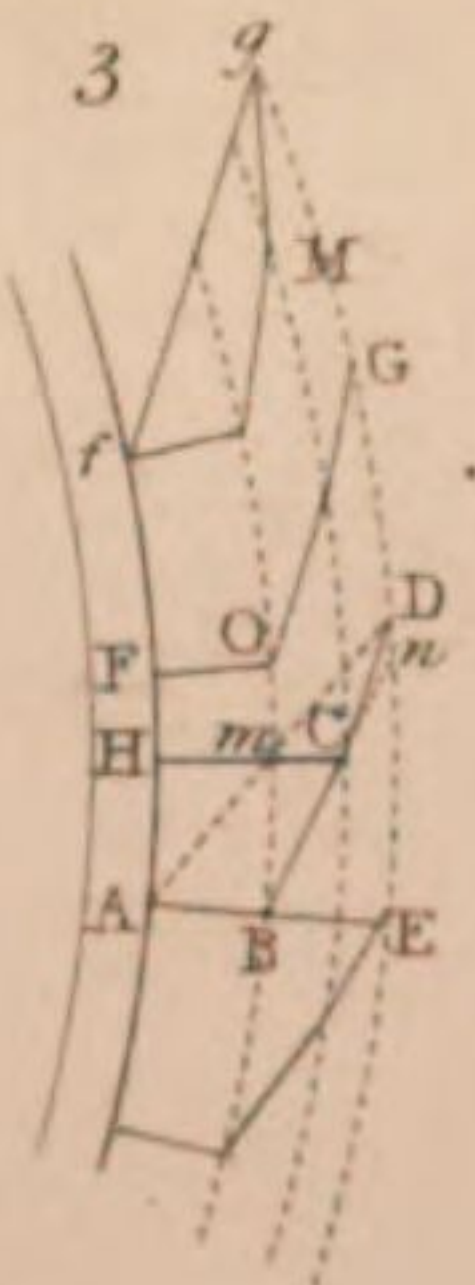
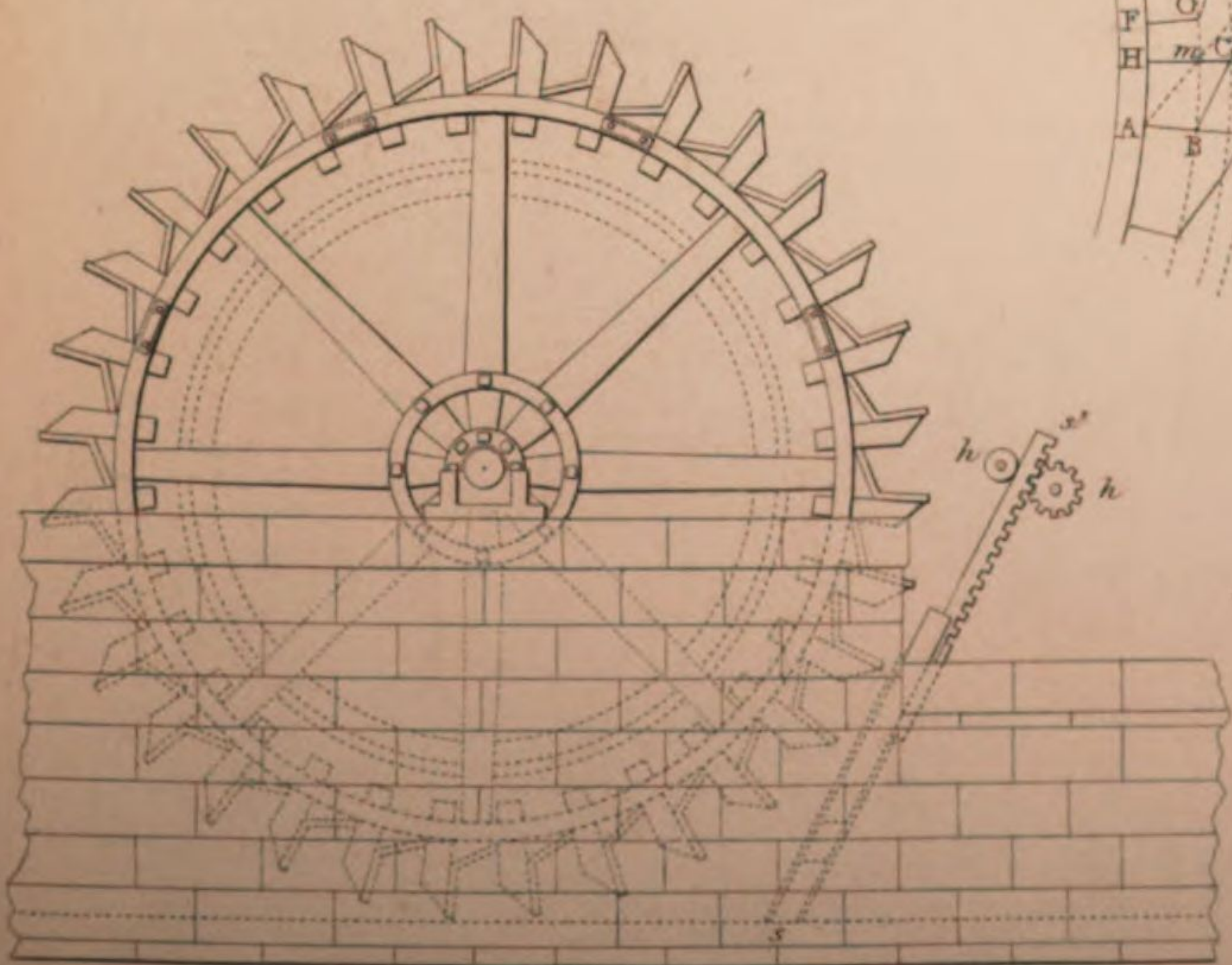
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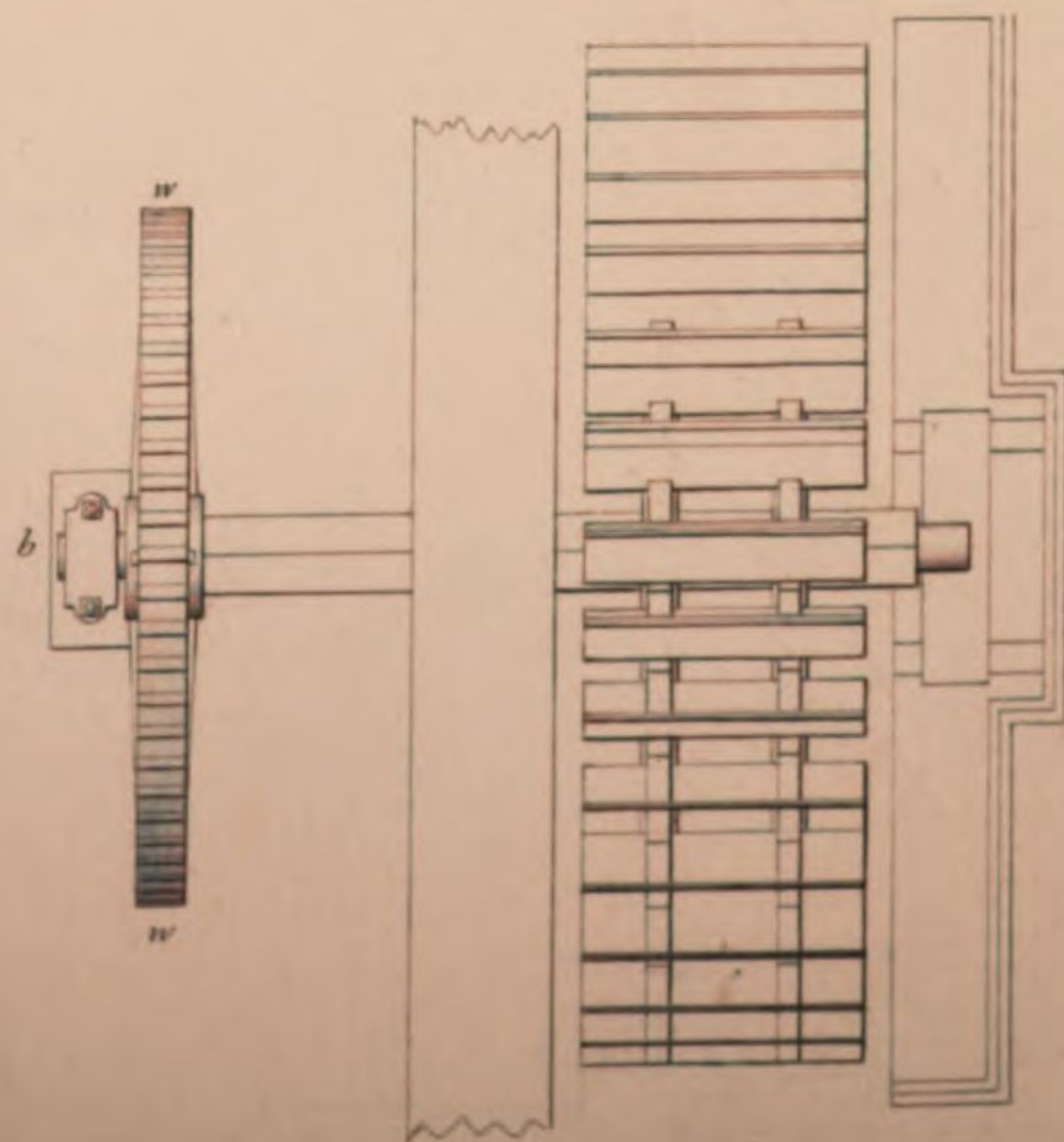
5



6



7



J. W. Lowry sculp.

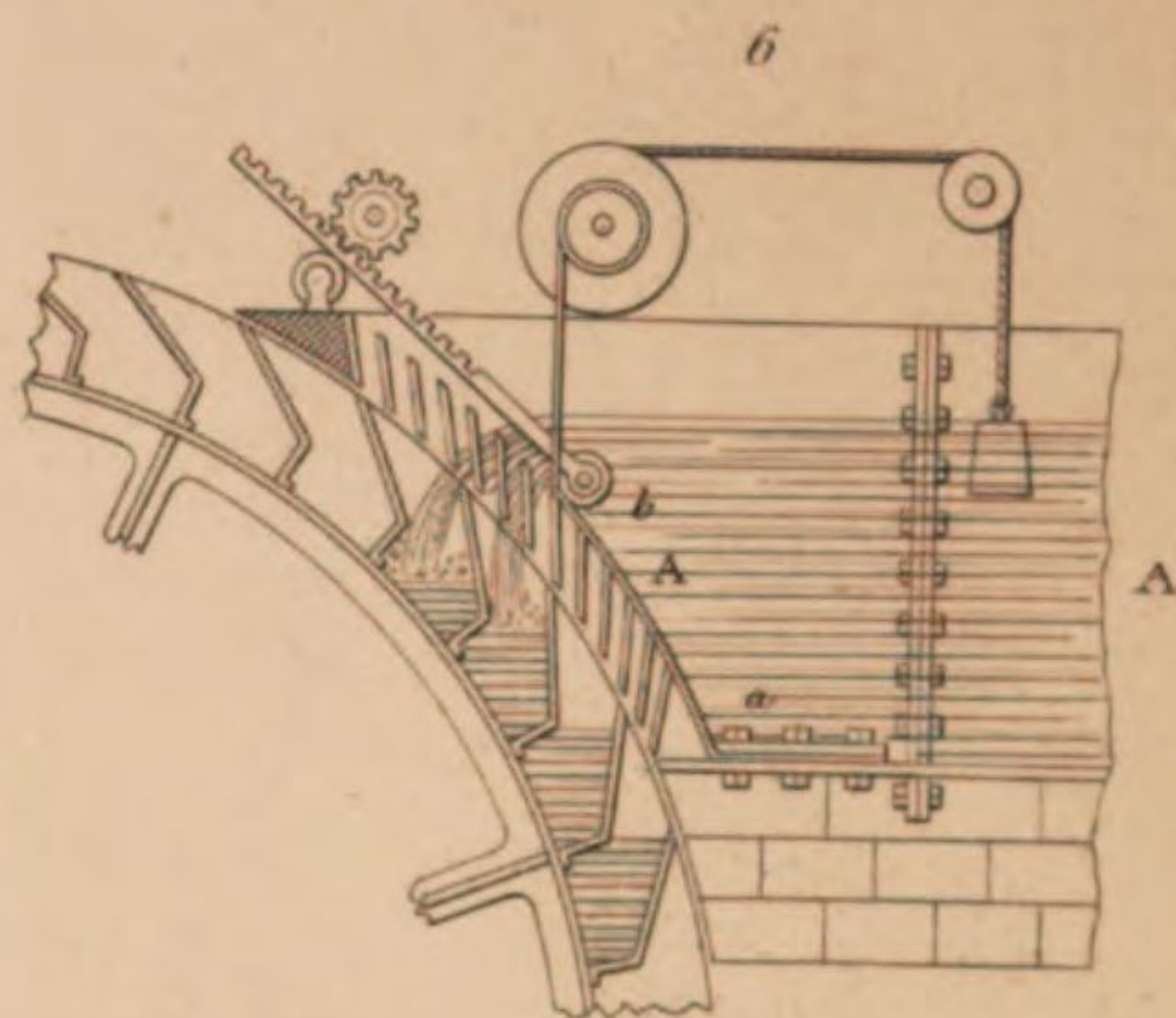
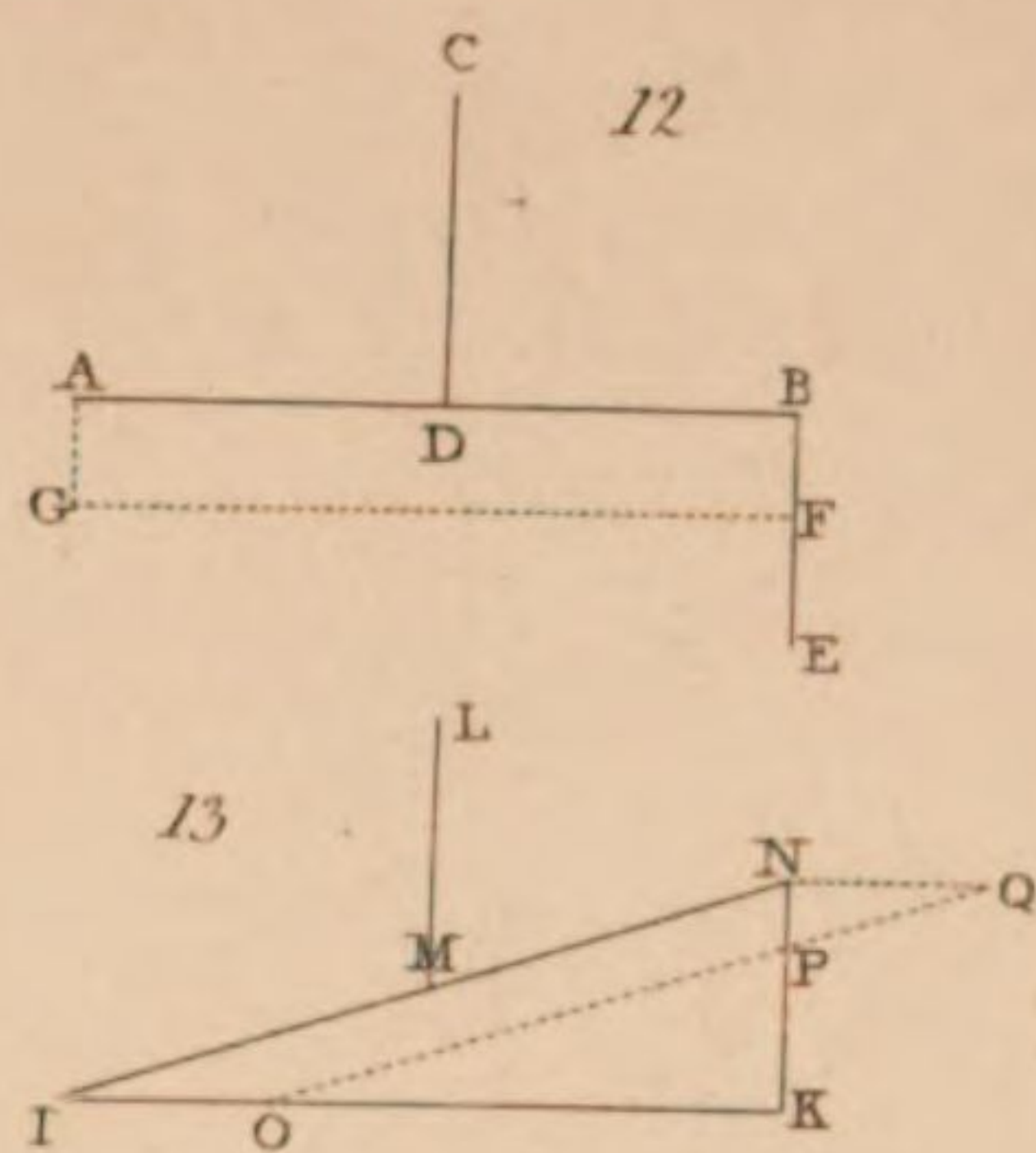
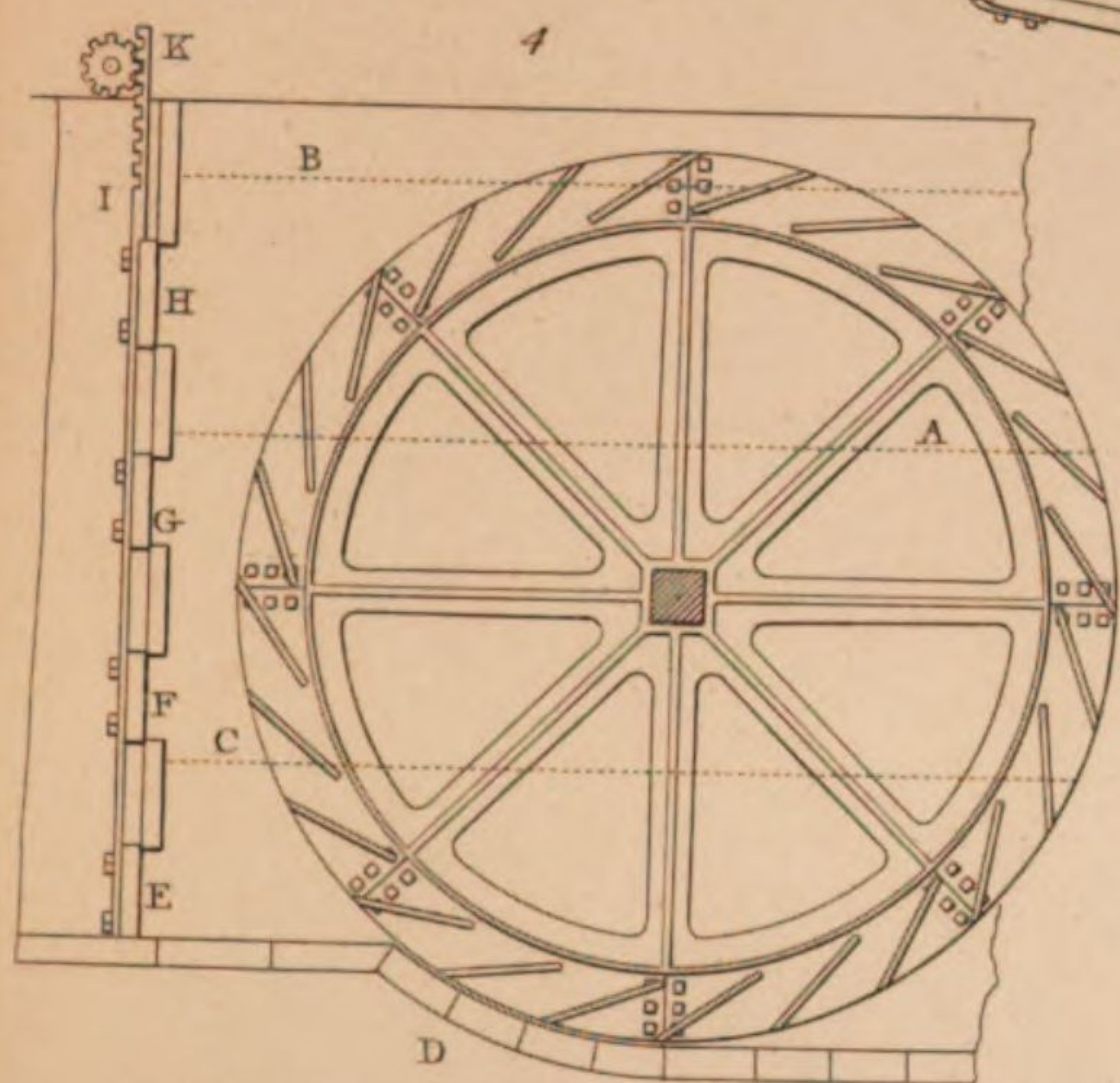
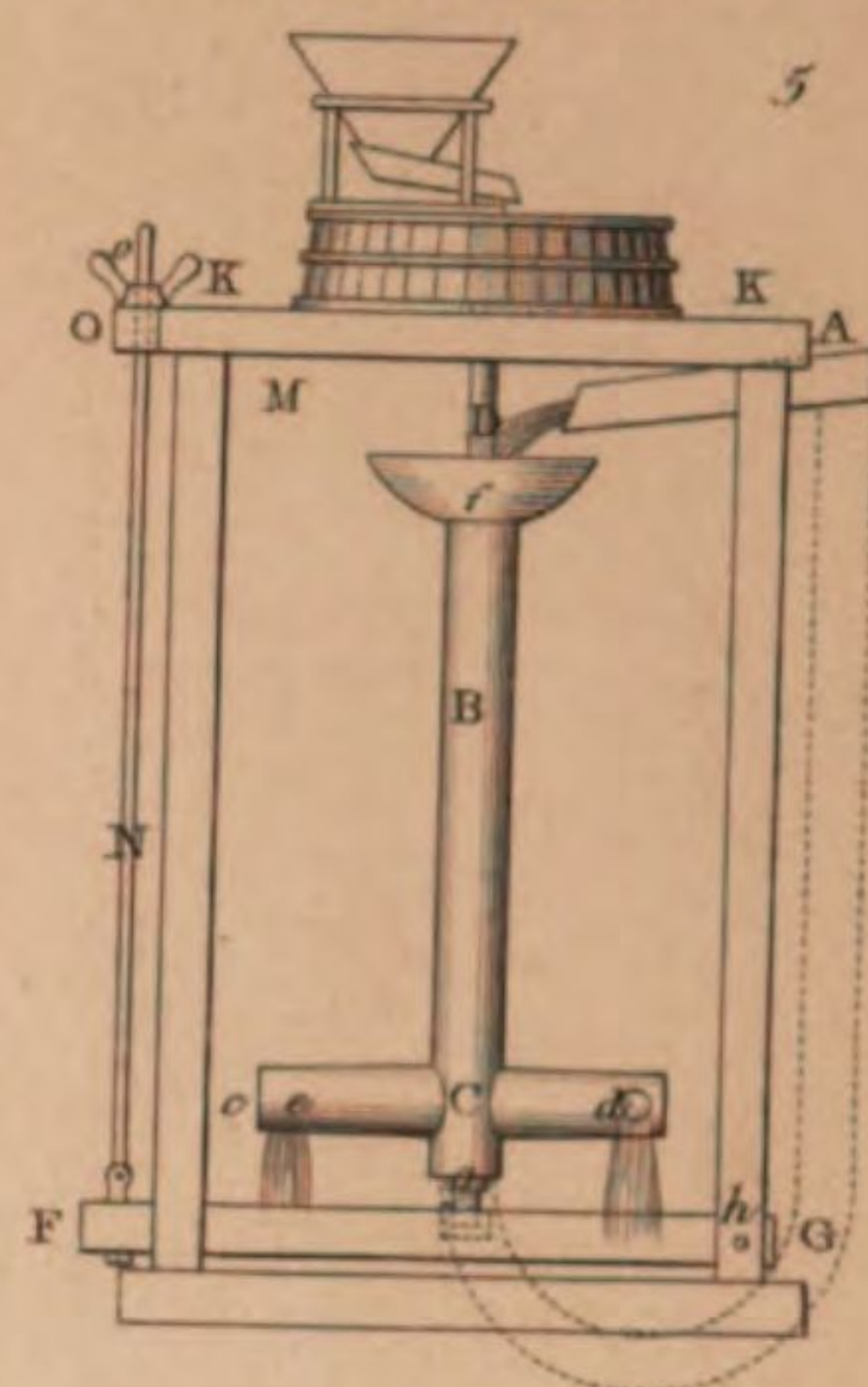
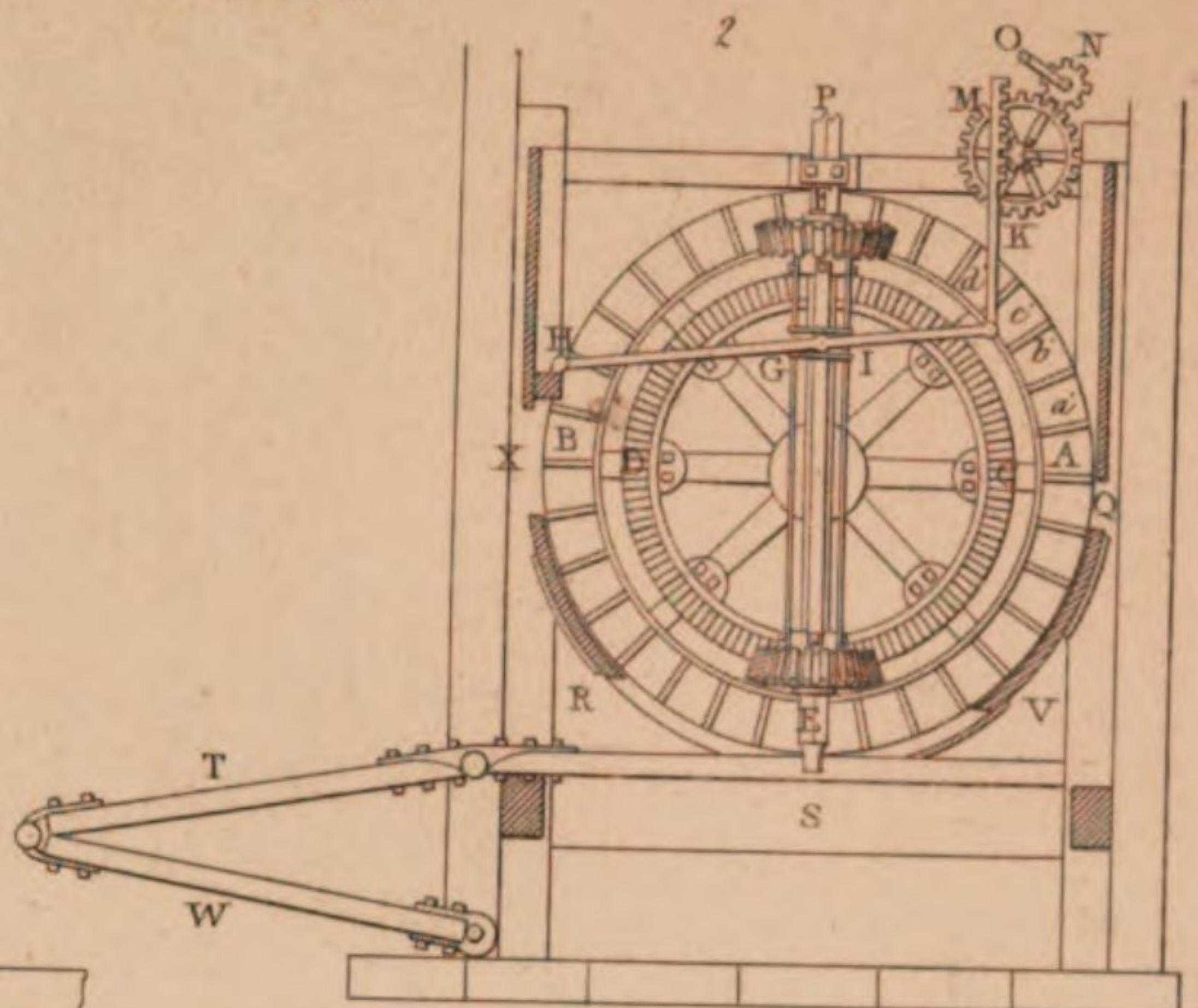
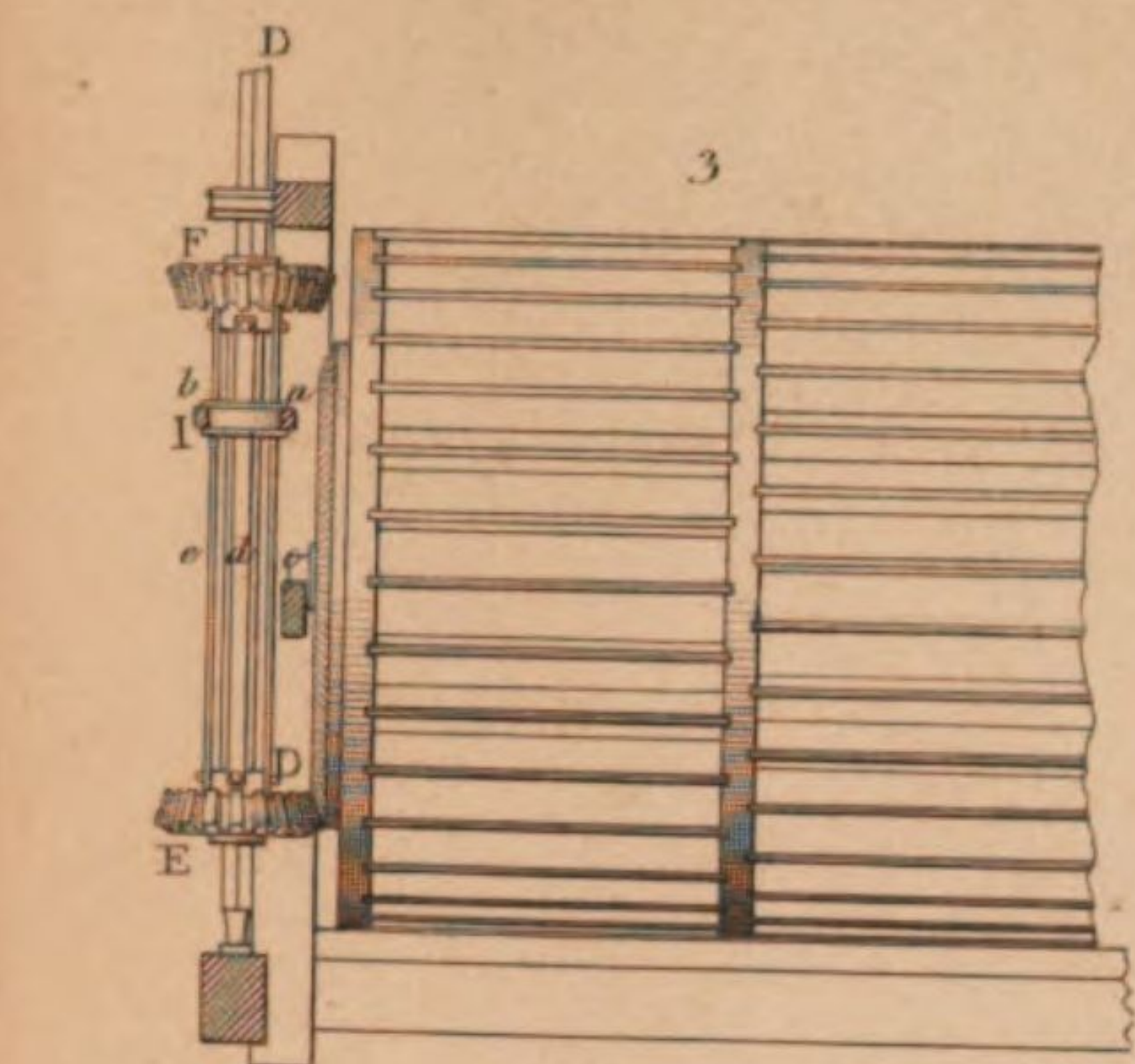
MANUFACTURES.

MILLS.

PLATE VIII.

Tide Mill

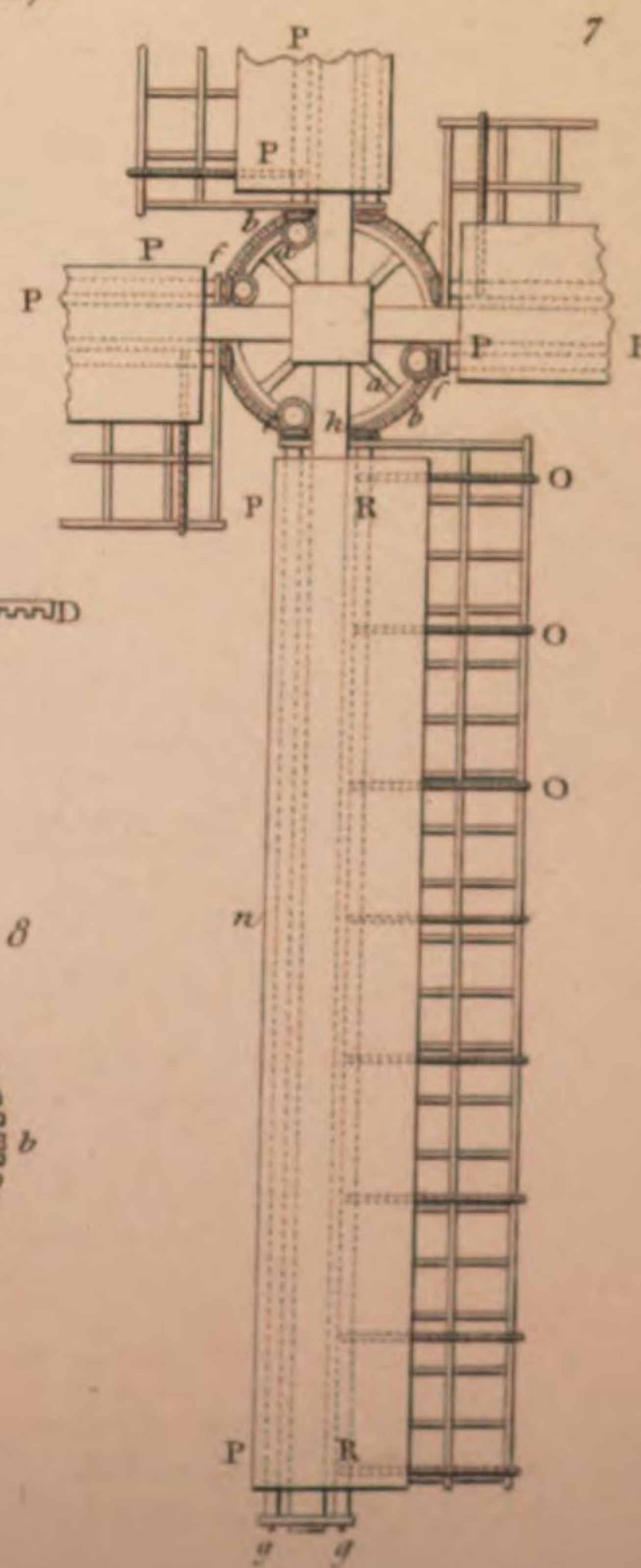
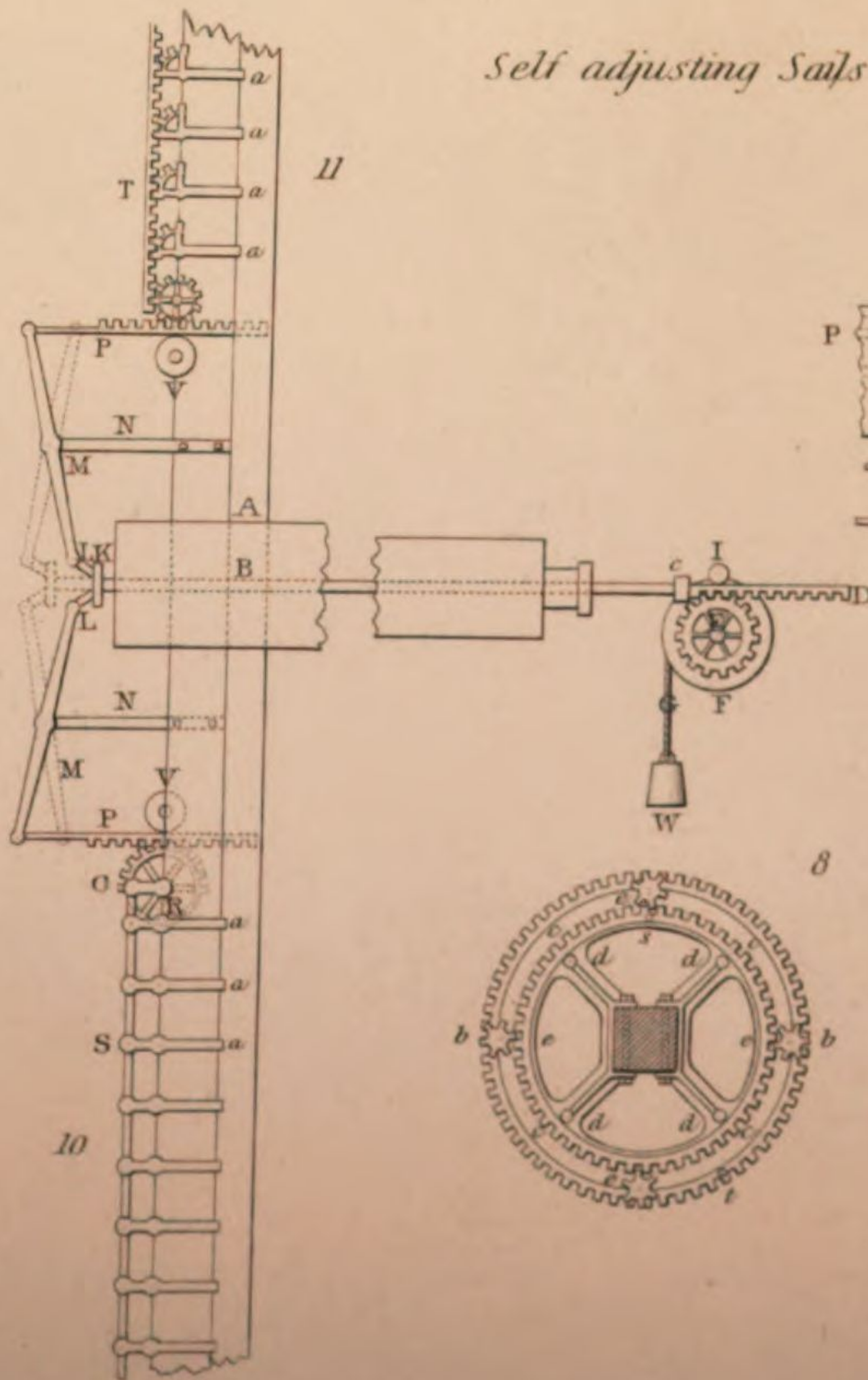
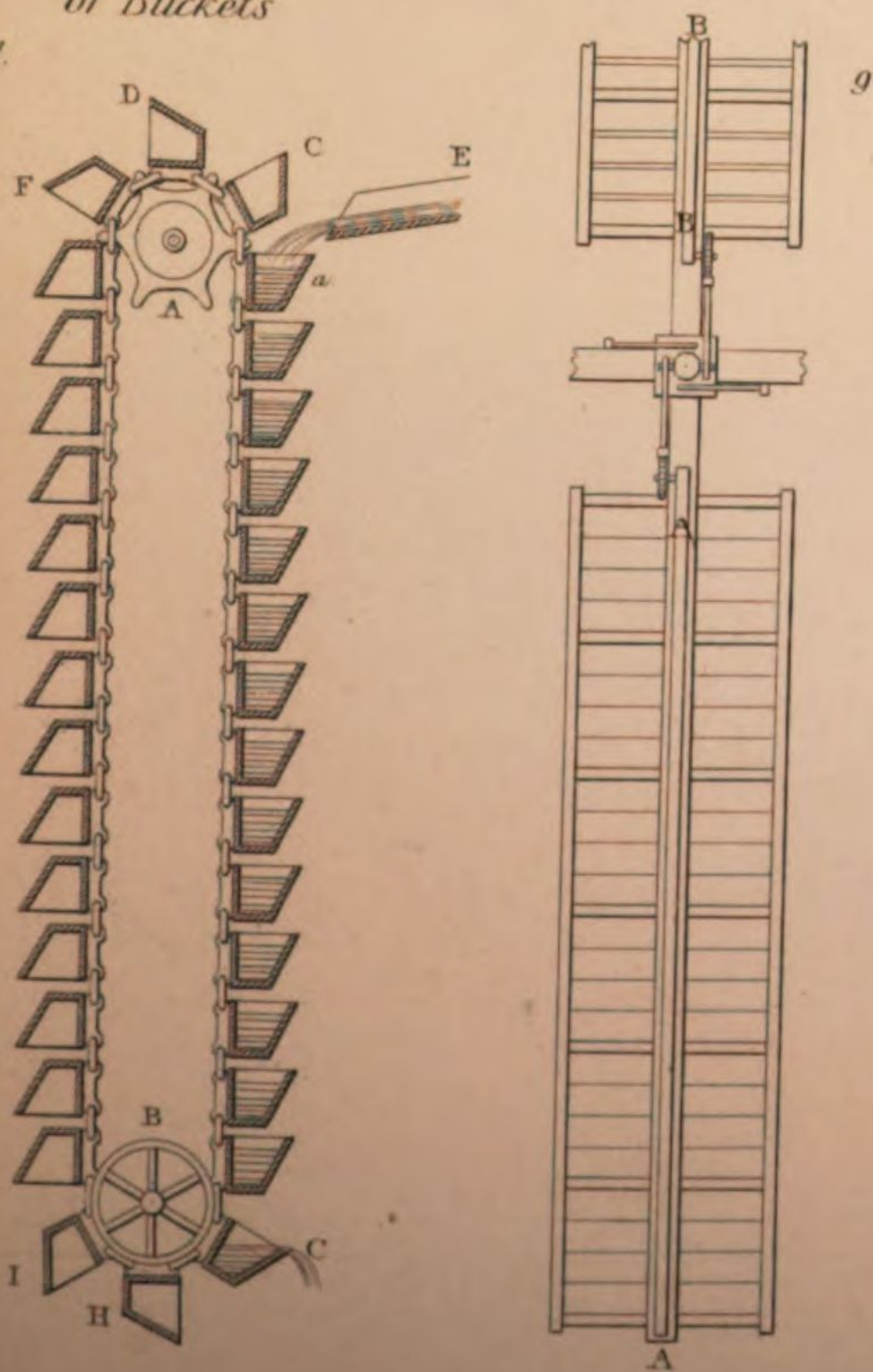
Barker's Mill



Chain of Buckets

Self adjusting Sails

Fig. 1.



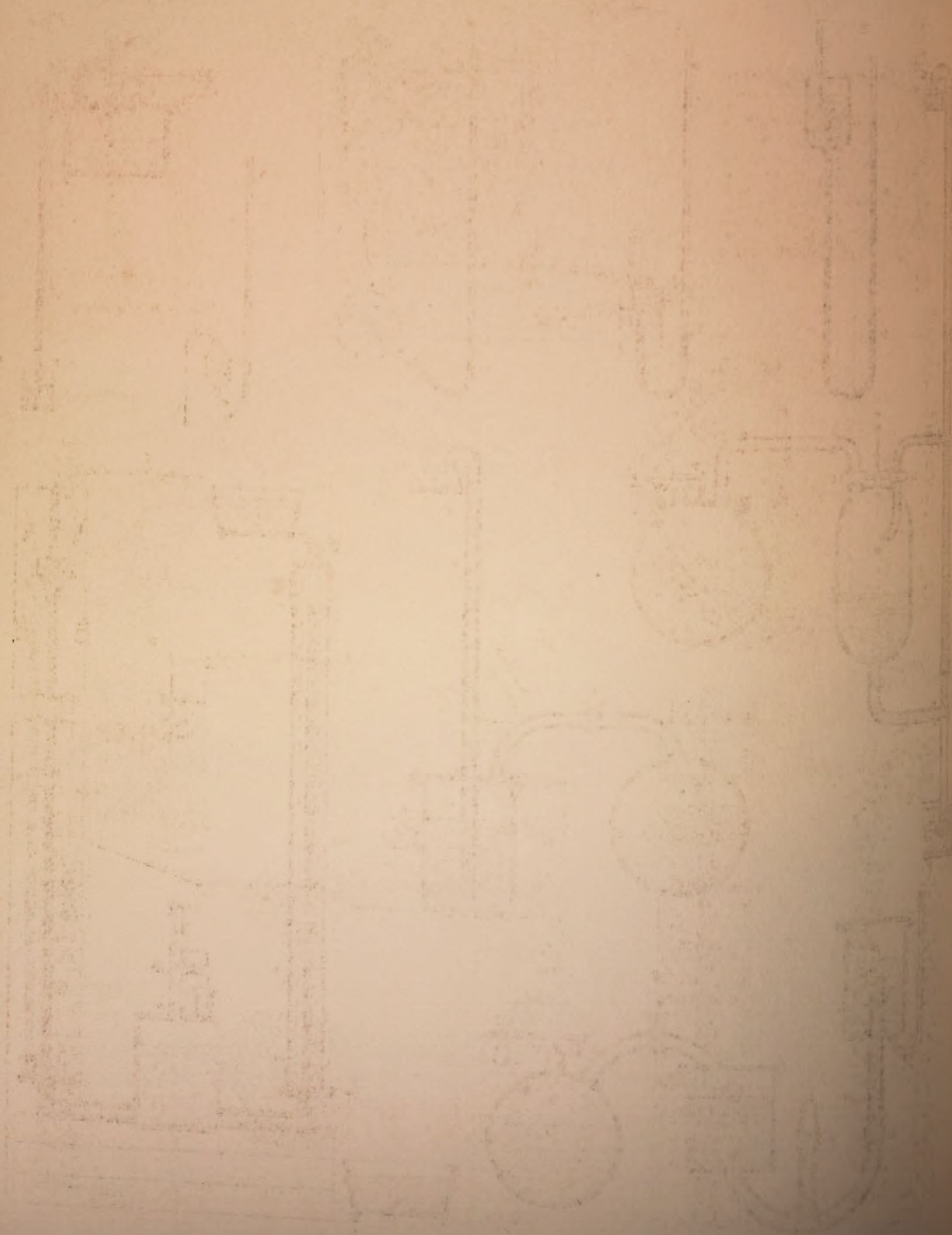
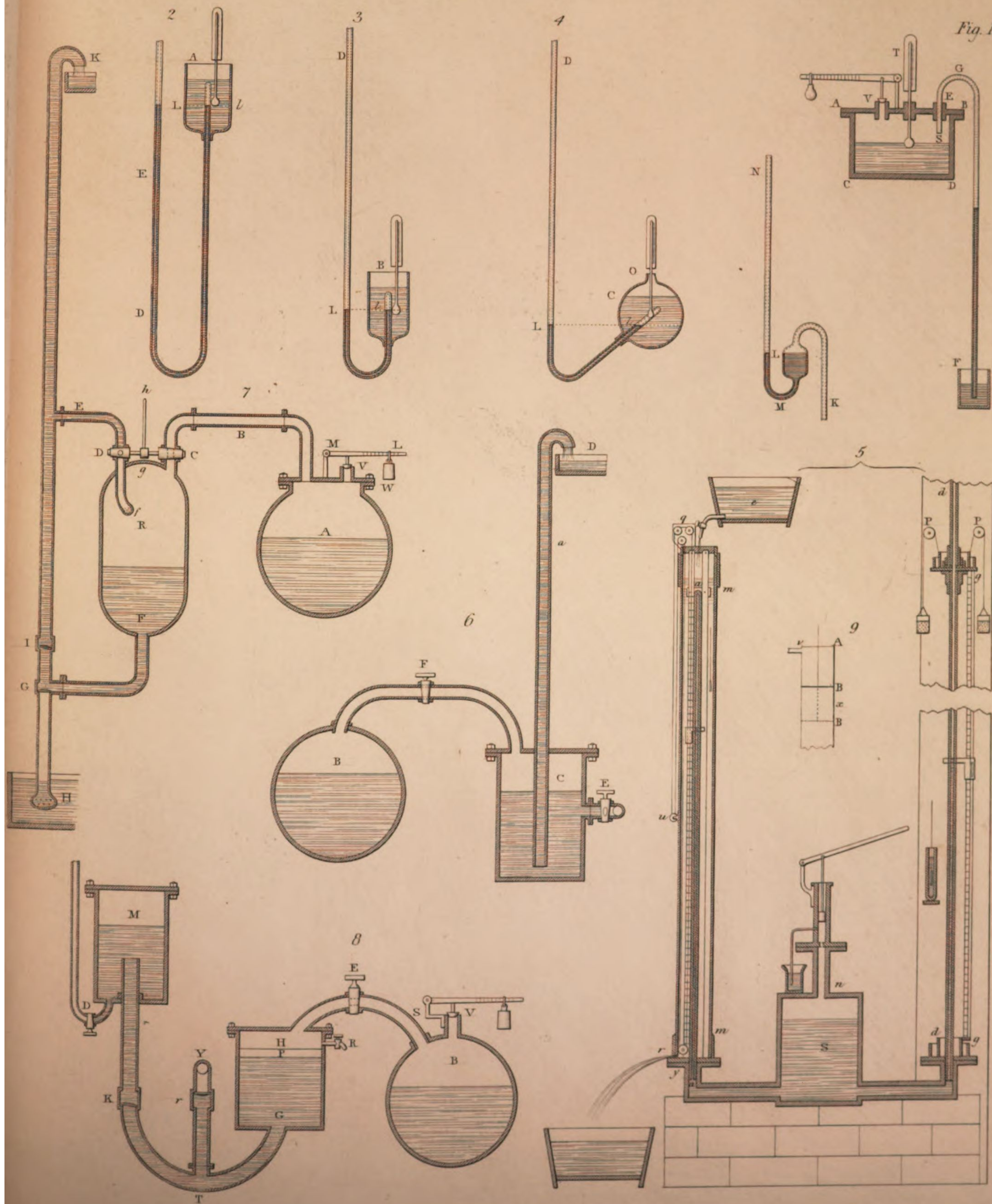


Fig. 1.



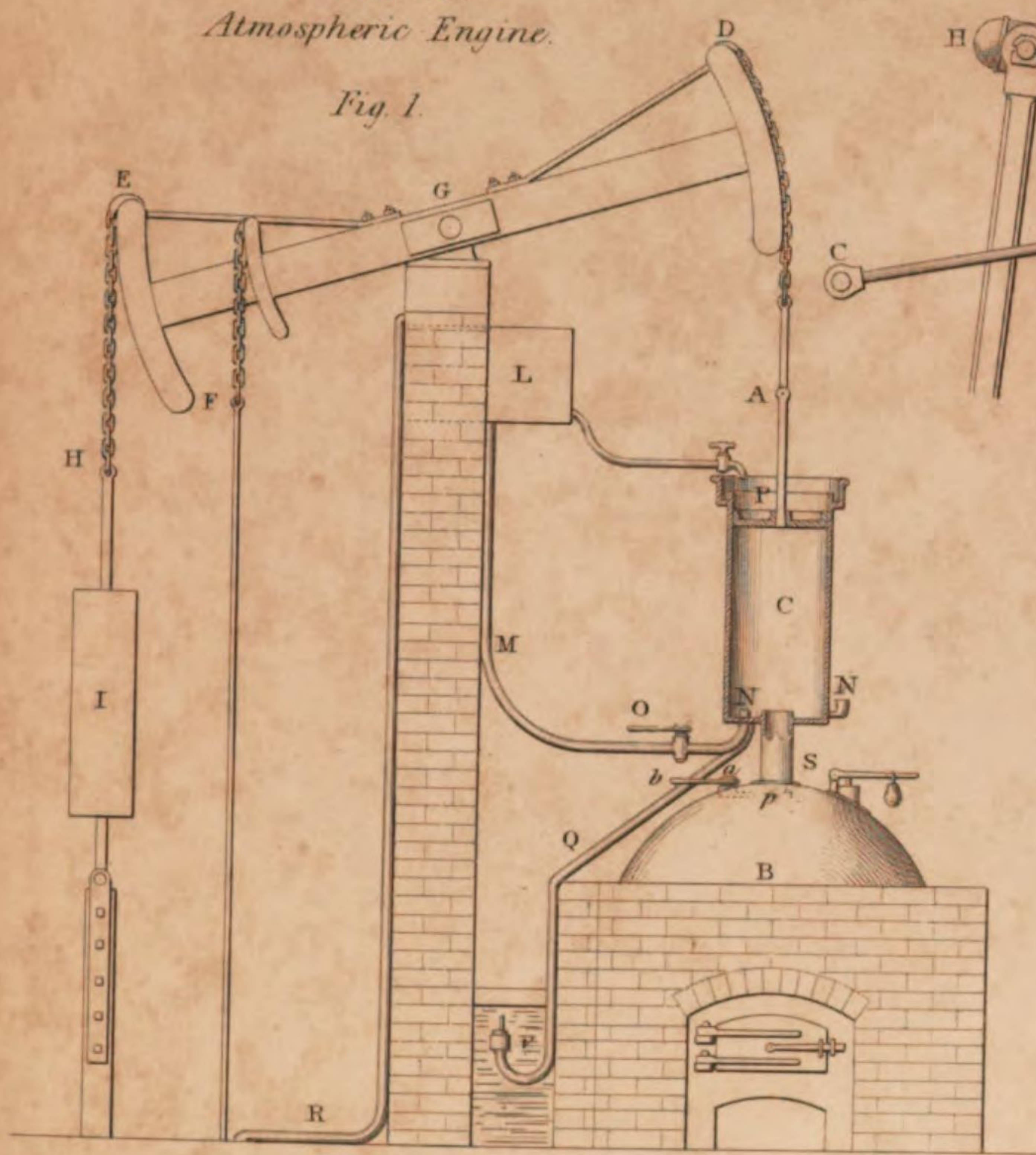
MANUFACTURES.

STEAM ENGINES.

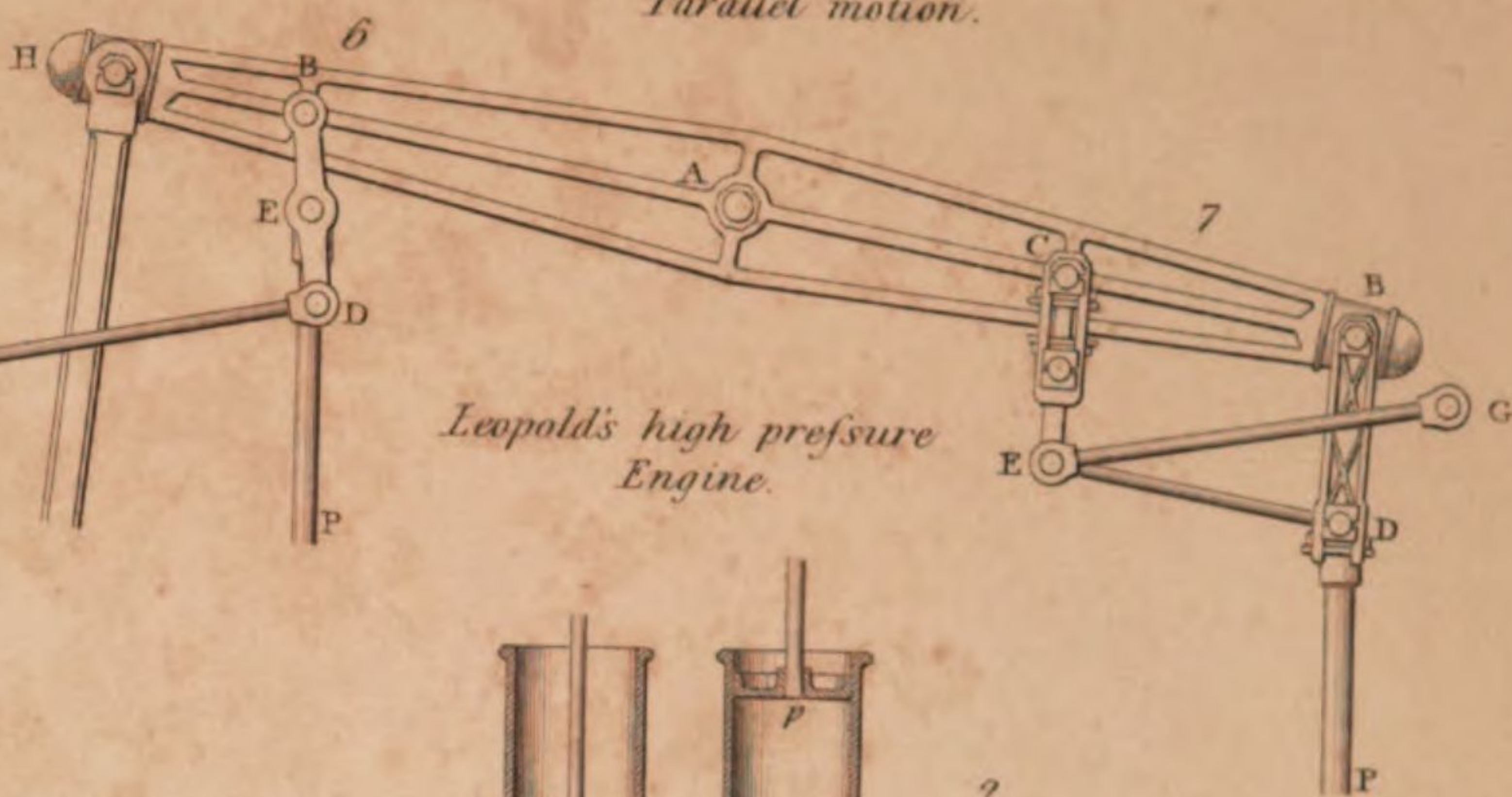
PLATE X.

*Newcomen's
Atmospheric Engine.*

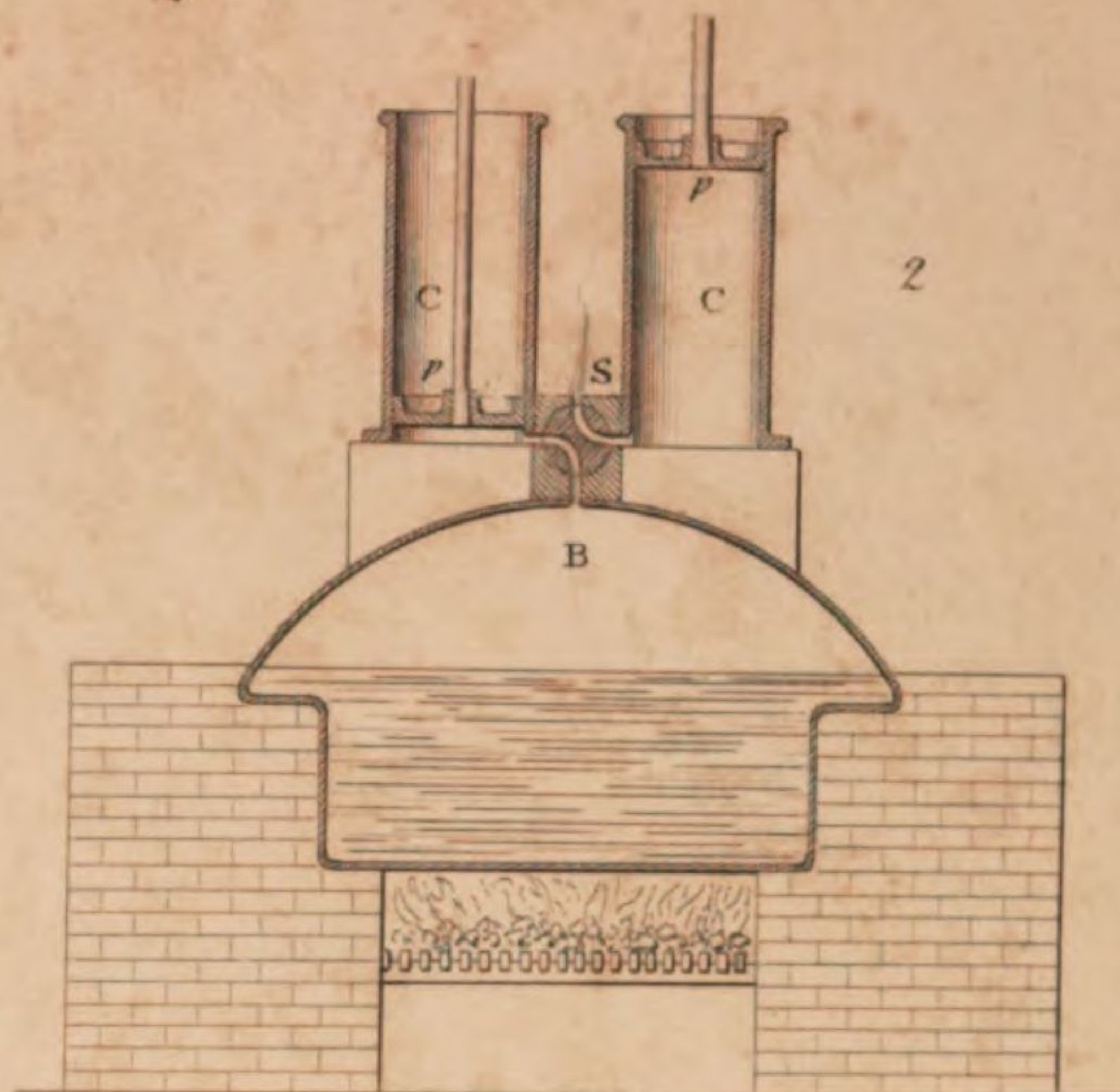
Fig. 1.



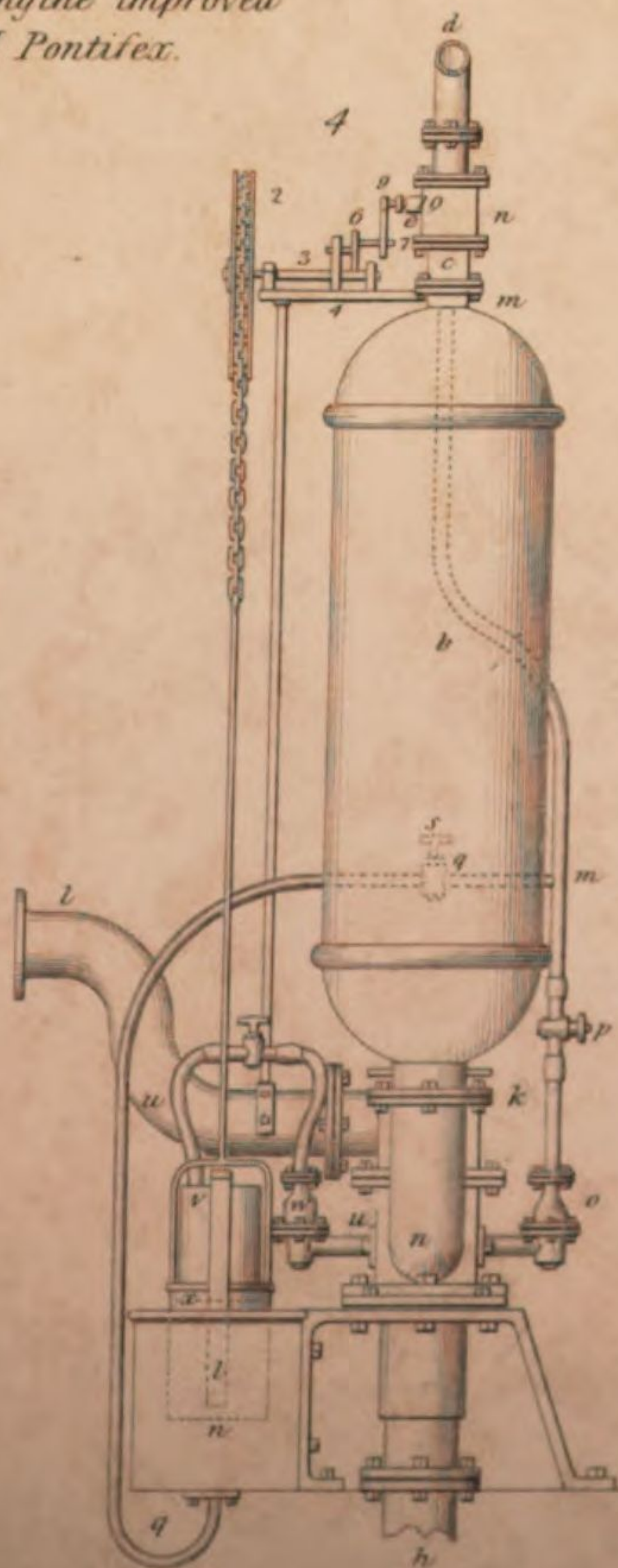
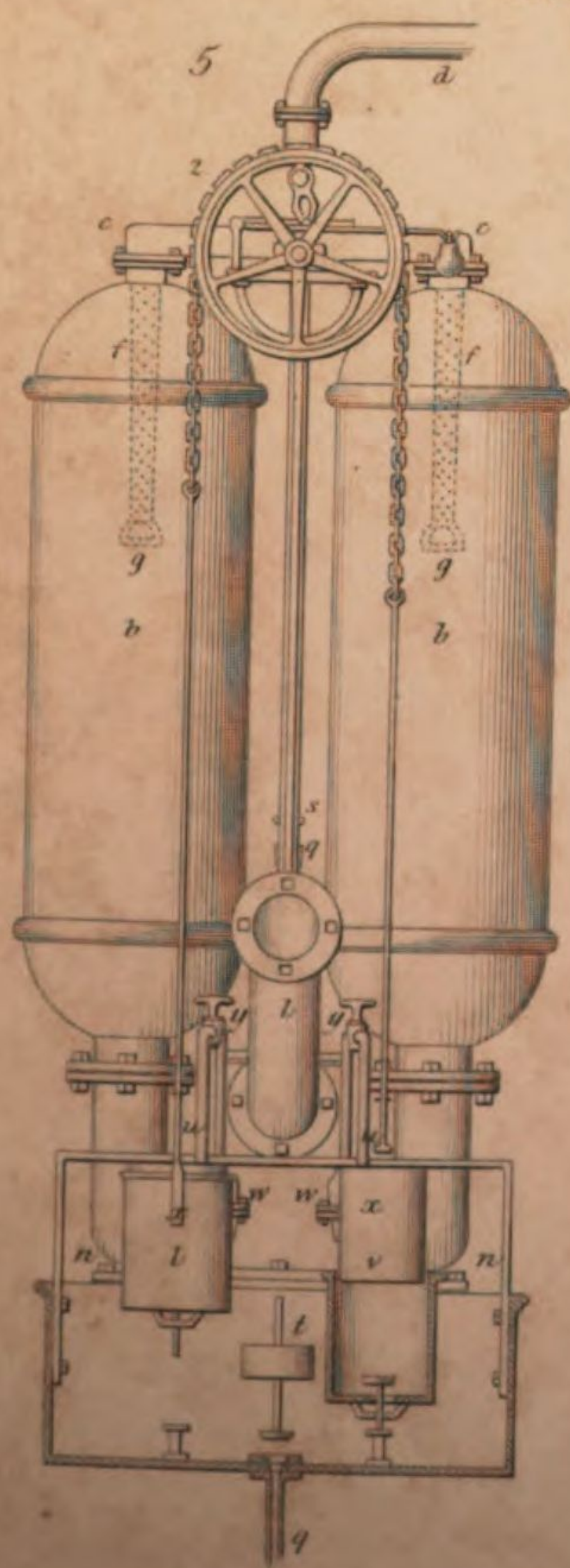
Parallel motion.



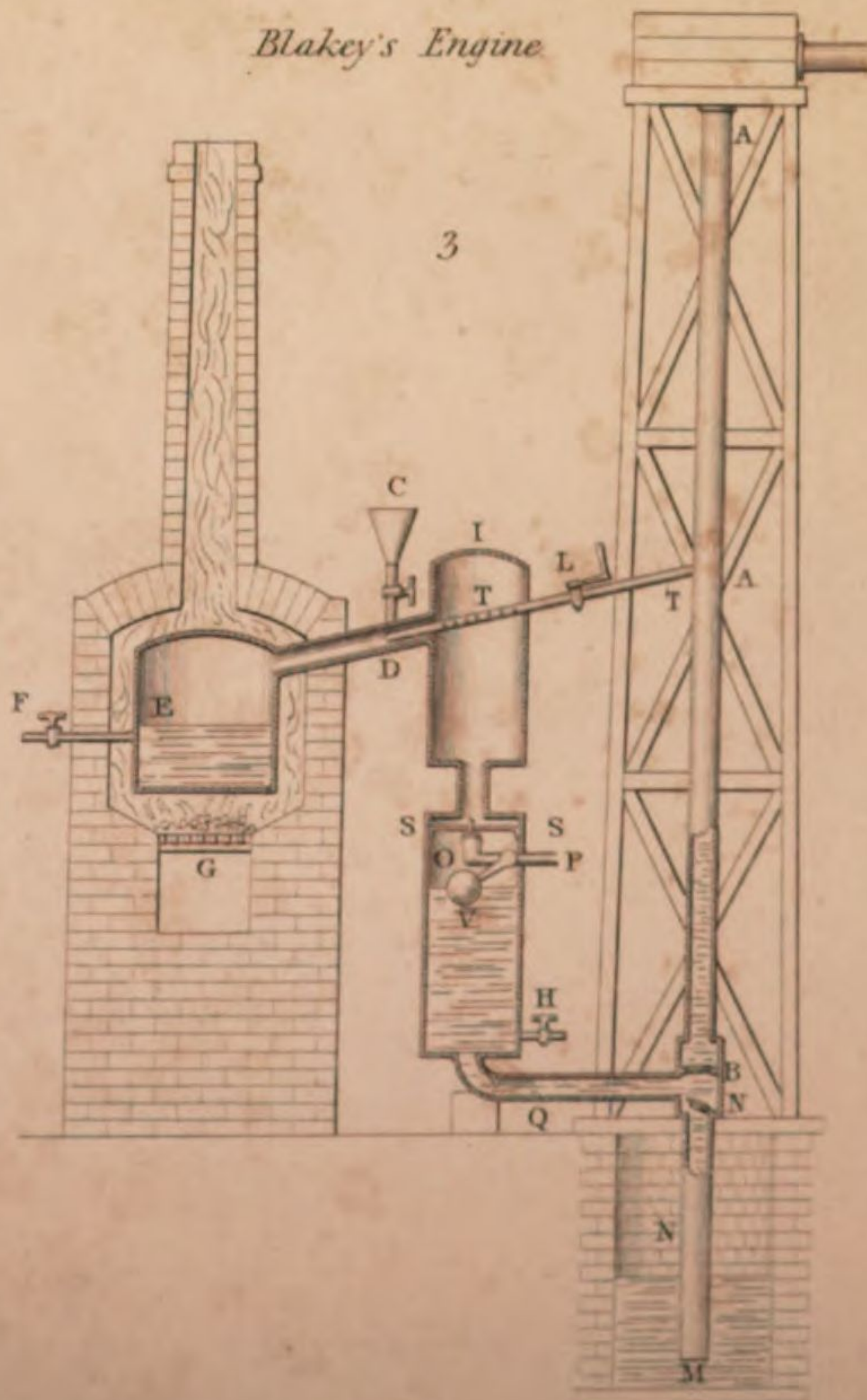
*Leopold's high pressure
Engine.*



*Savery's Engine improved
by J. Pontifex.*



Blakey's Engine



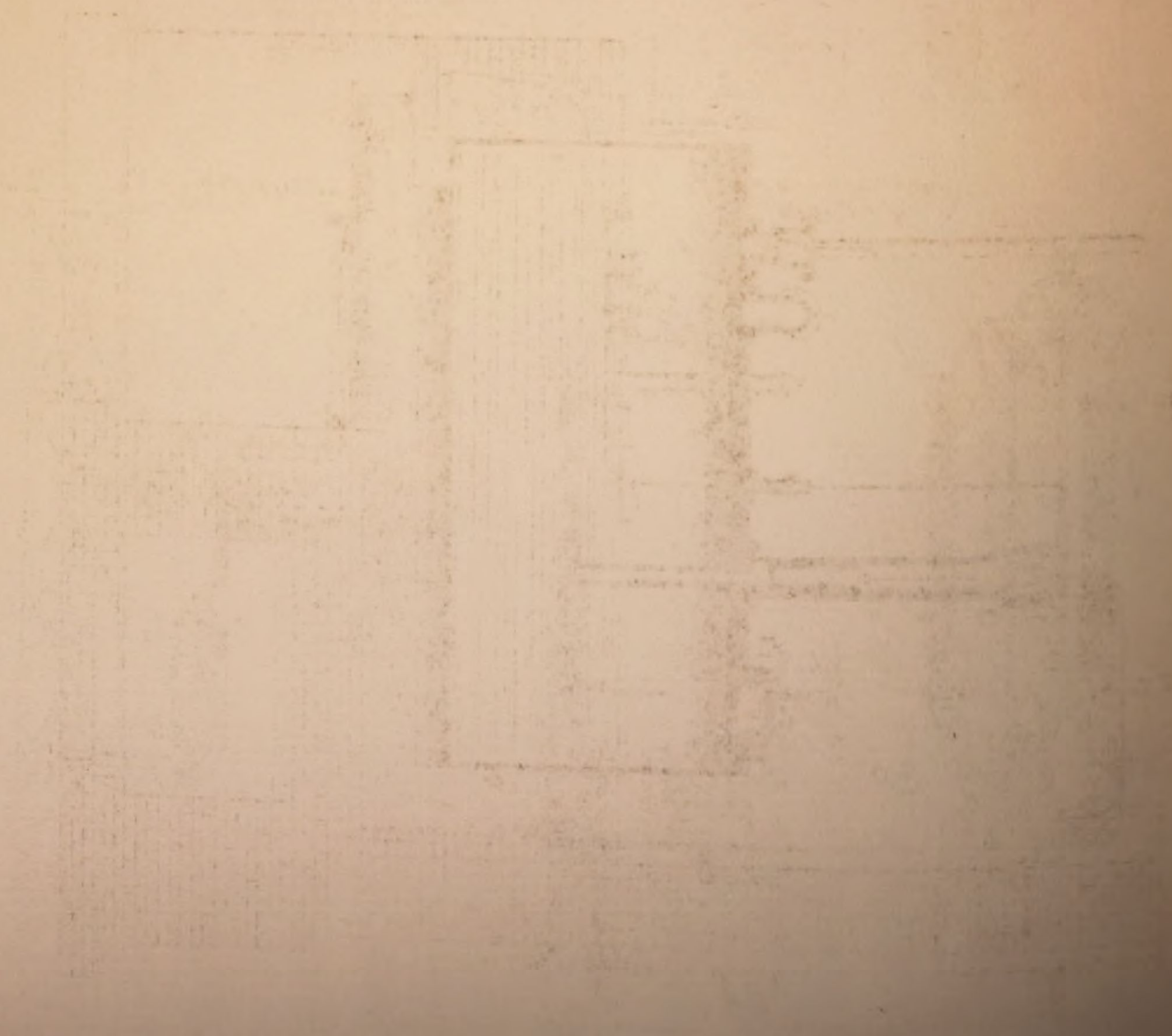


Fig. 1.

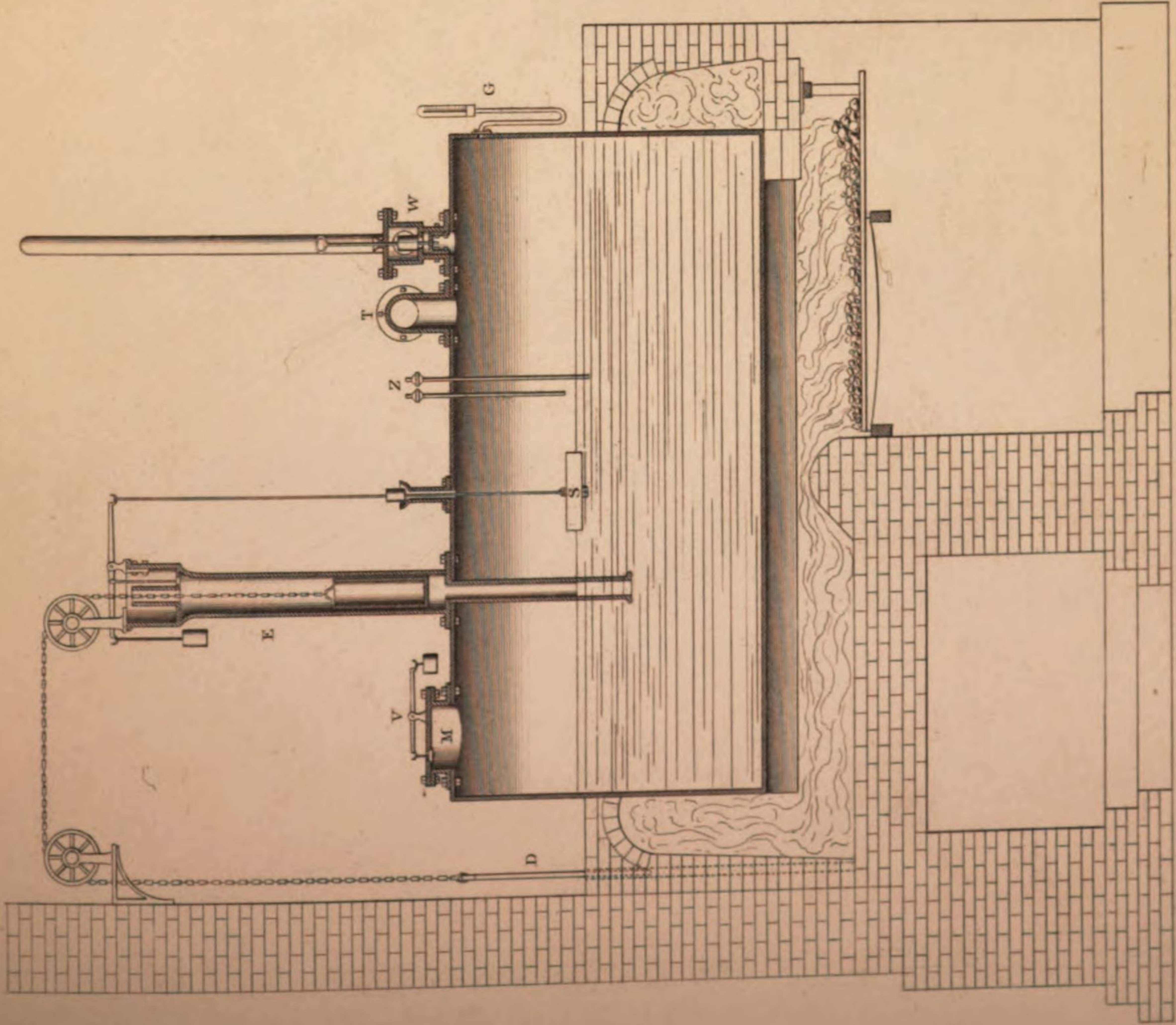
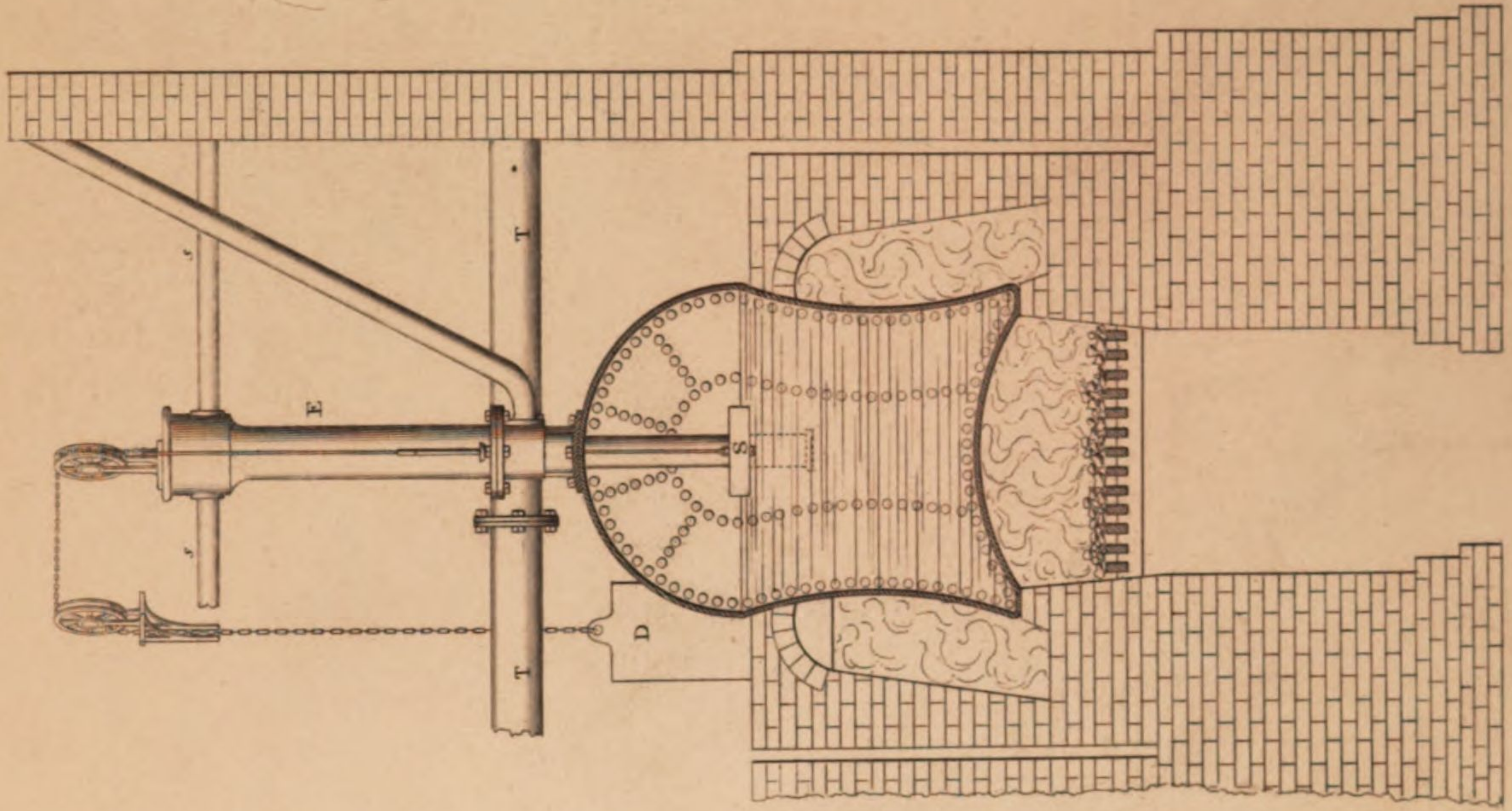
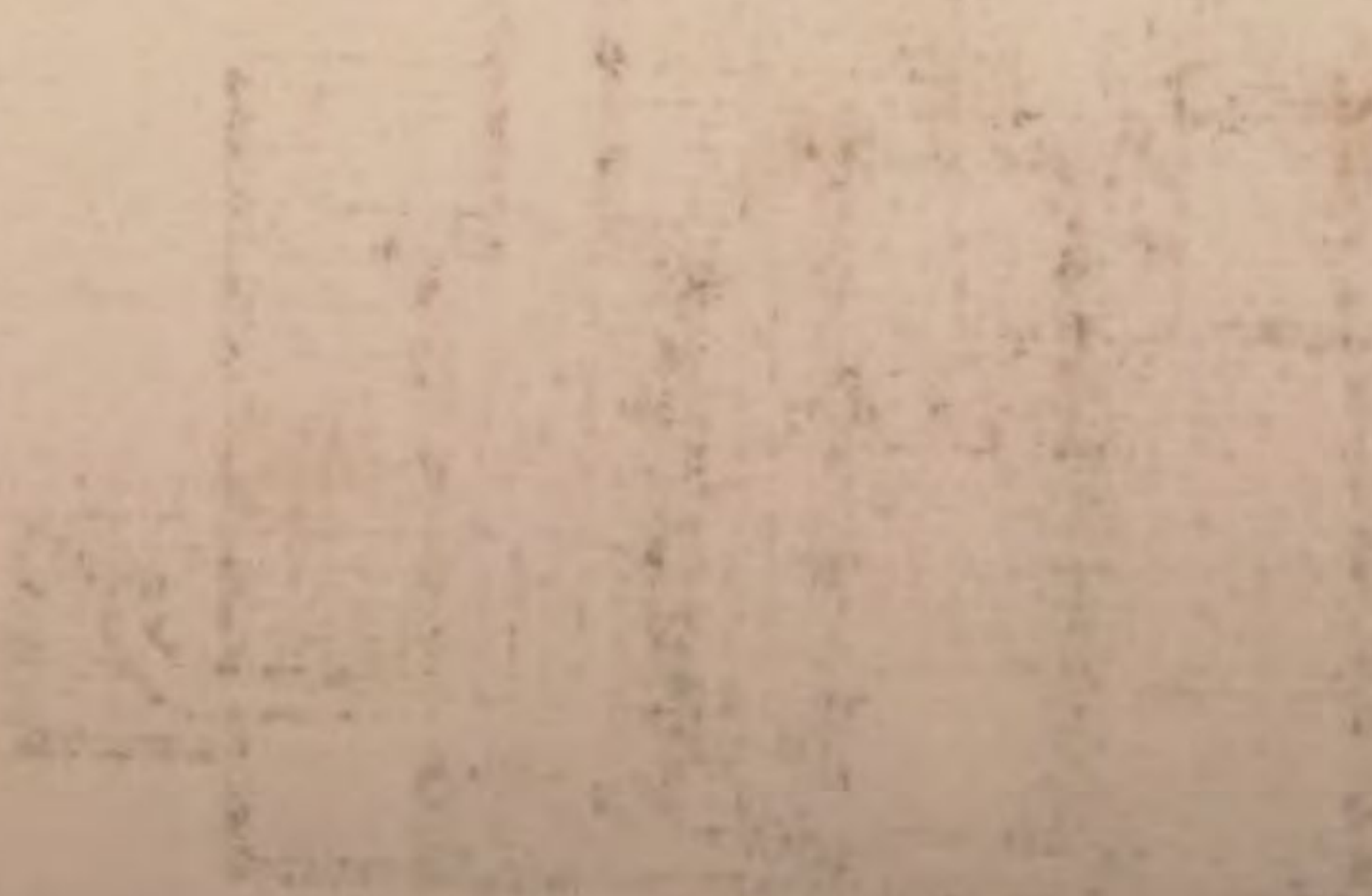
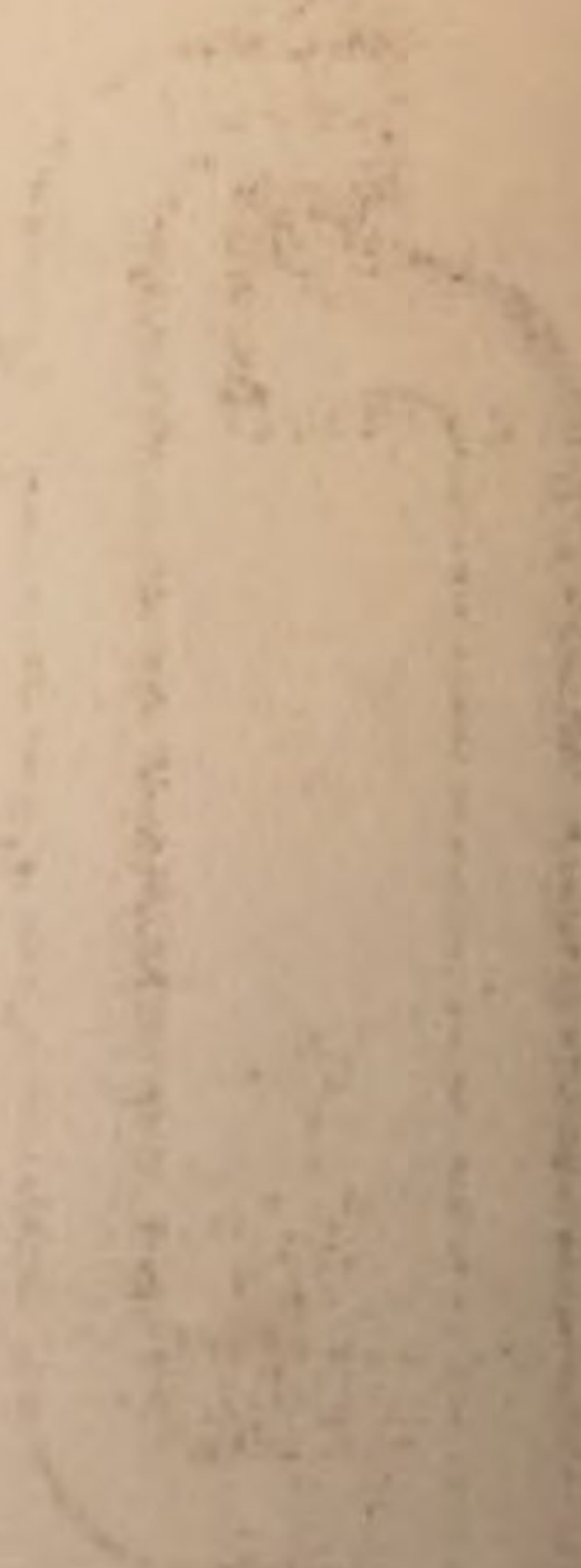
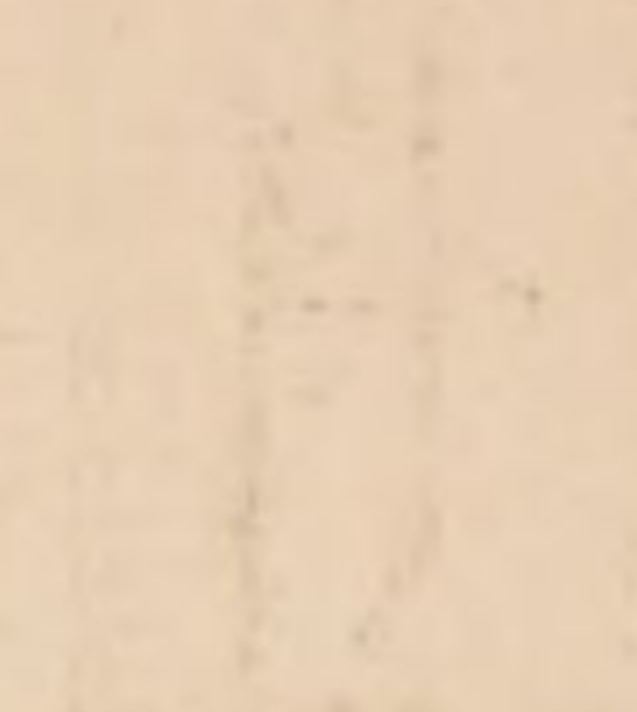
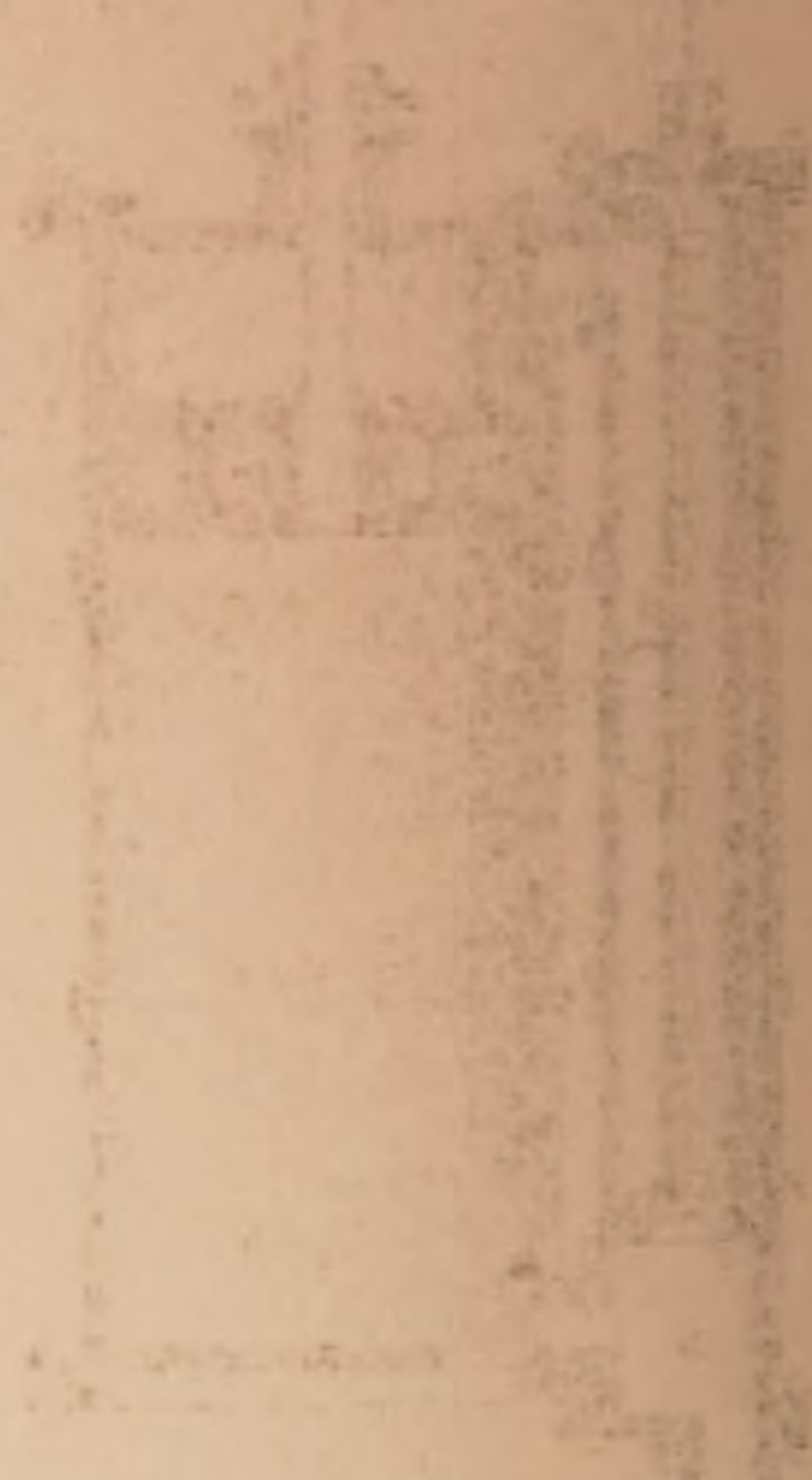


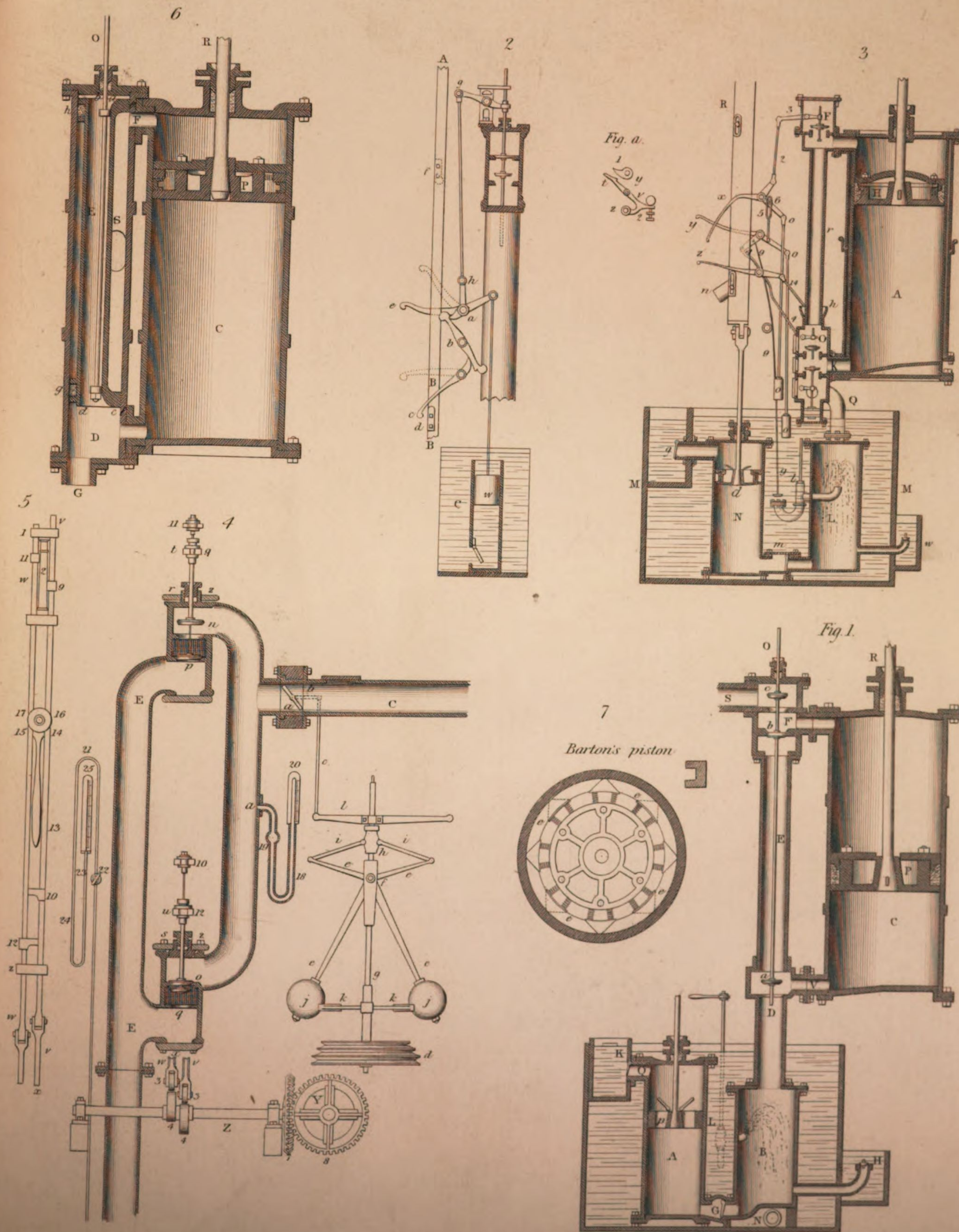
Fig. 2.





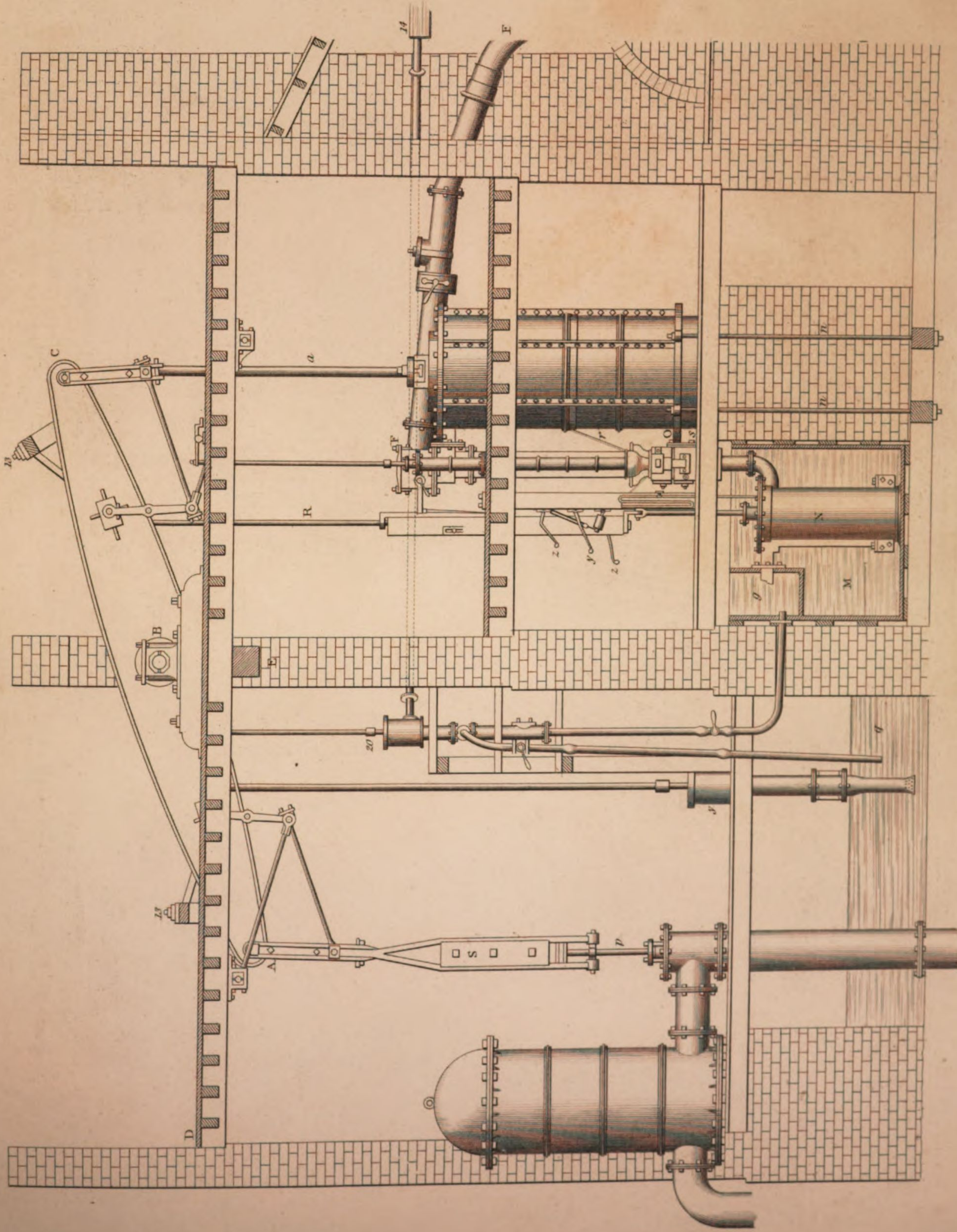
PARTS OF STEAM ENGINE.

PLATE XII.



MANUFACTURES.
SINGLE ACTING STEAM ENGINE.

PLATE XIII.



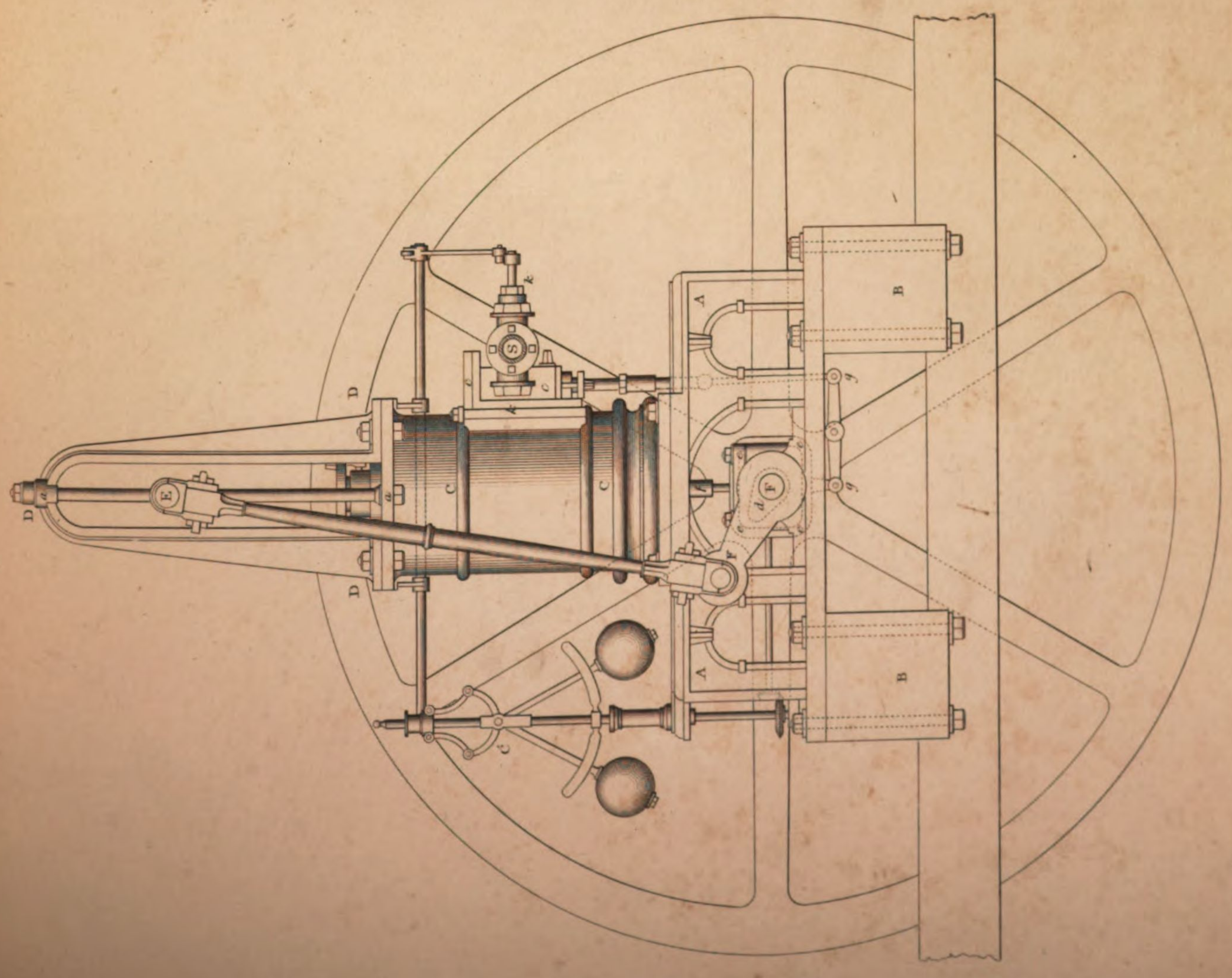
P. Barlow Junr delin.

Published Sept^r 1834 by Baldwin & Cradock Paternoster Row.

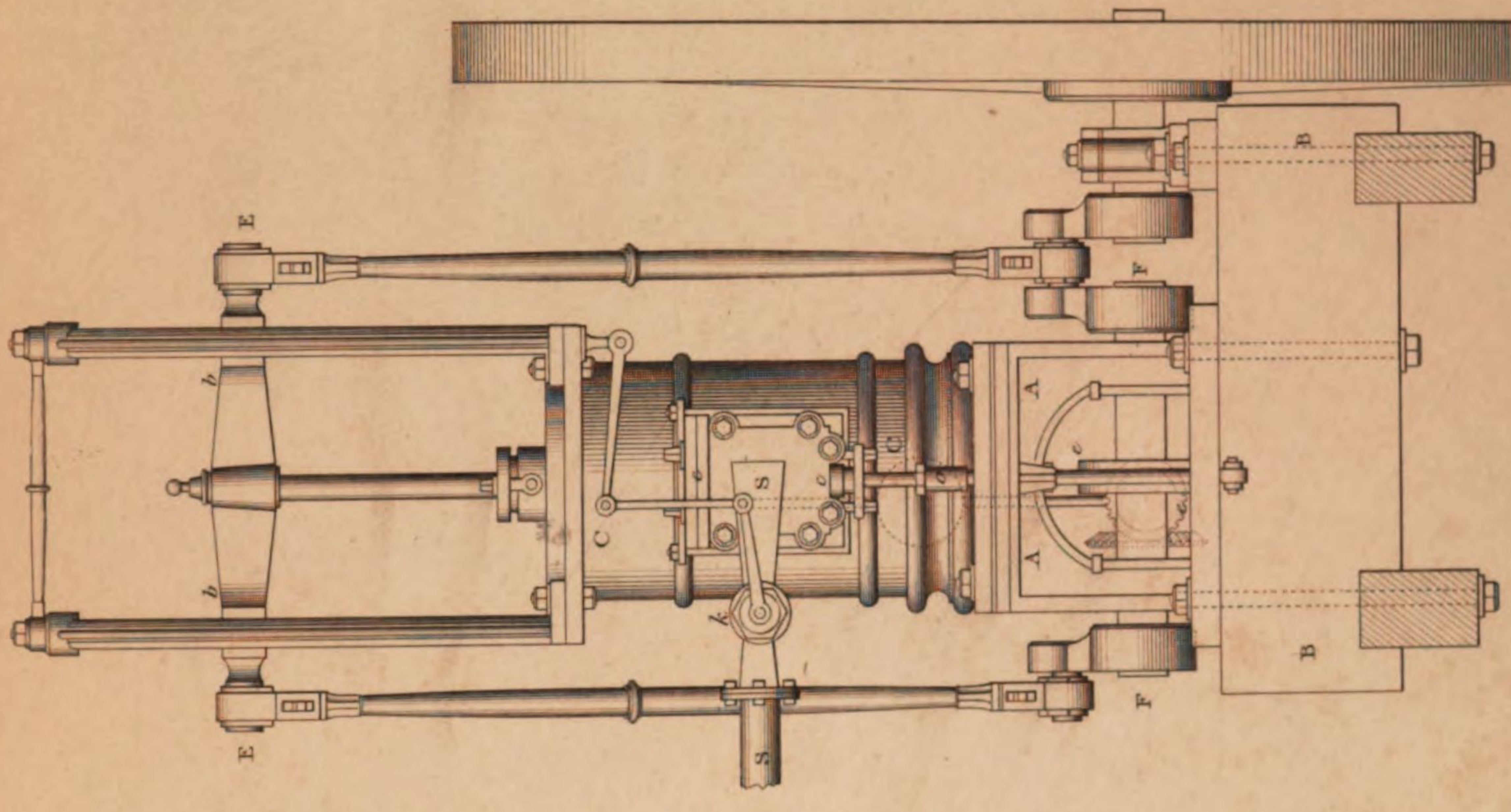
J. W. Lowry sculp.

MANUFACTURES.
HIGH PRESSURE STEAM ENGINE.

Fig. 1.



2



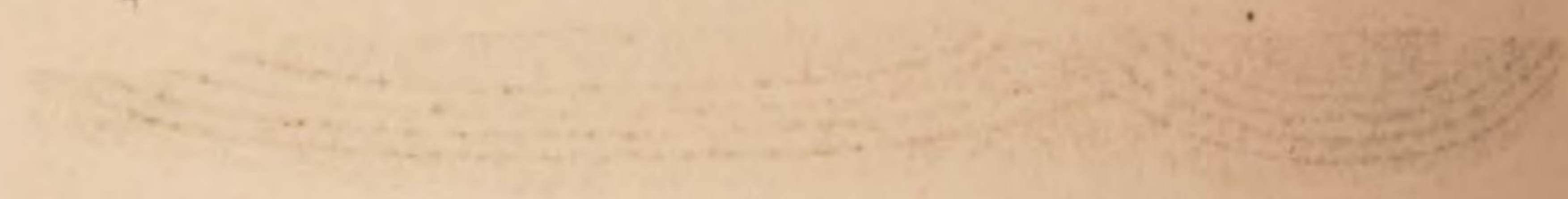
J. W. Lowry sculp.

London, Published Sept. 1. 1834, by Baldwin & Cradock, Paternoster Row.

J. Barker Junr. del.

Fig. 1. A perspective view of a windmill, showing the sails, the cap, and the body of the mill.

Fig. 2. A plan view of the windmill, showing the arrangement of the sails and the cap.

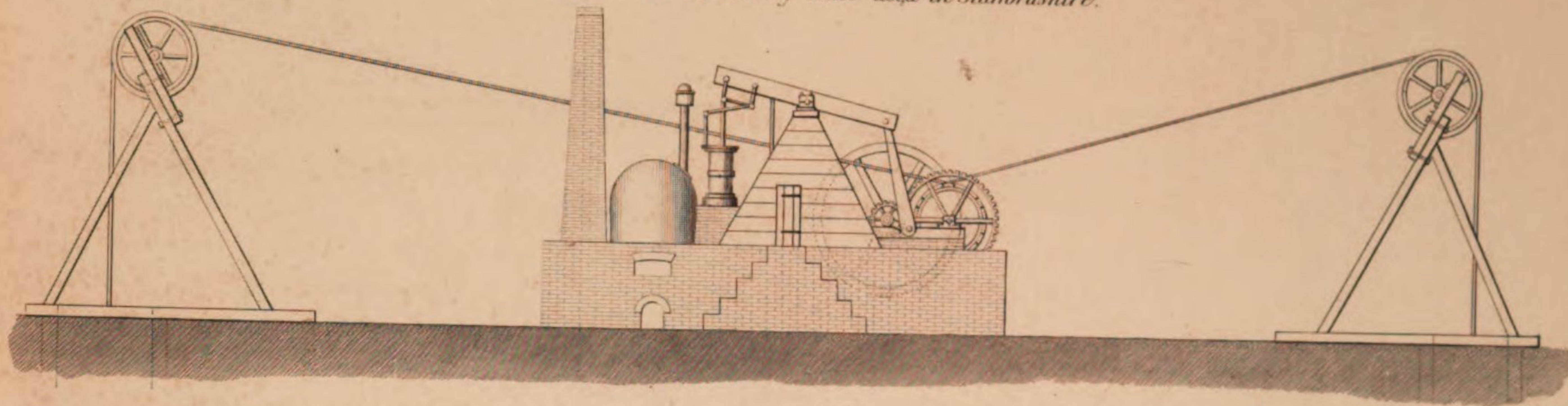


MANUFACTURES.

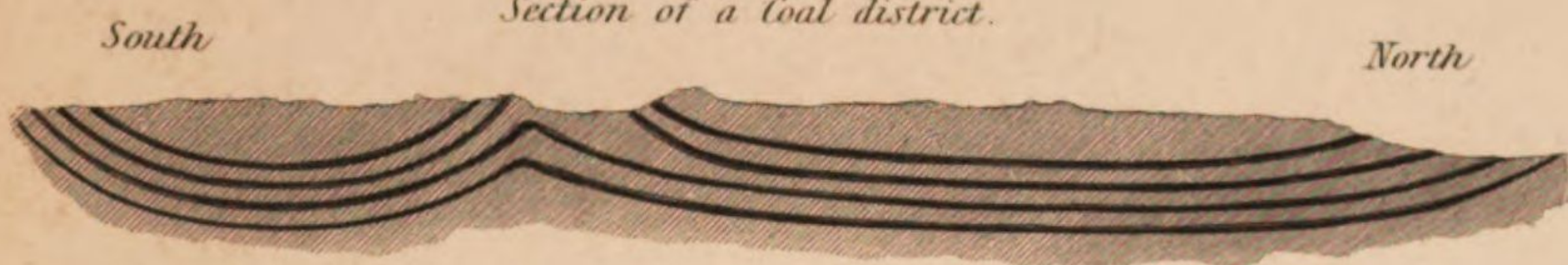
MINING.

PLATE XVI.

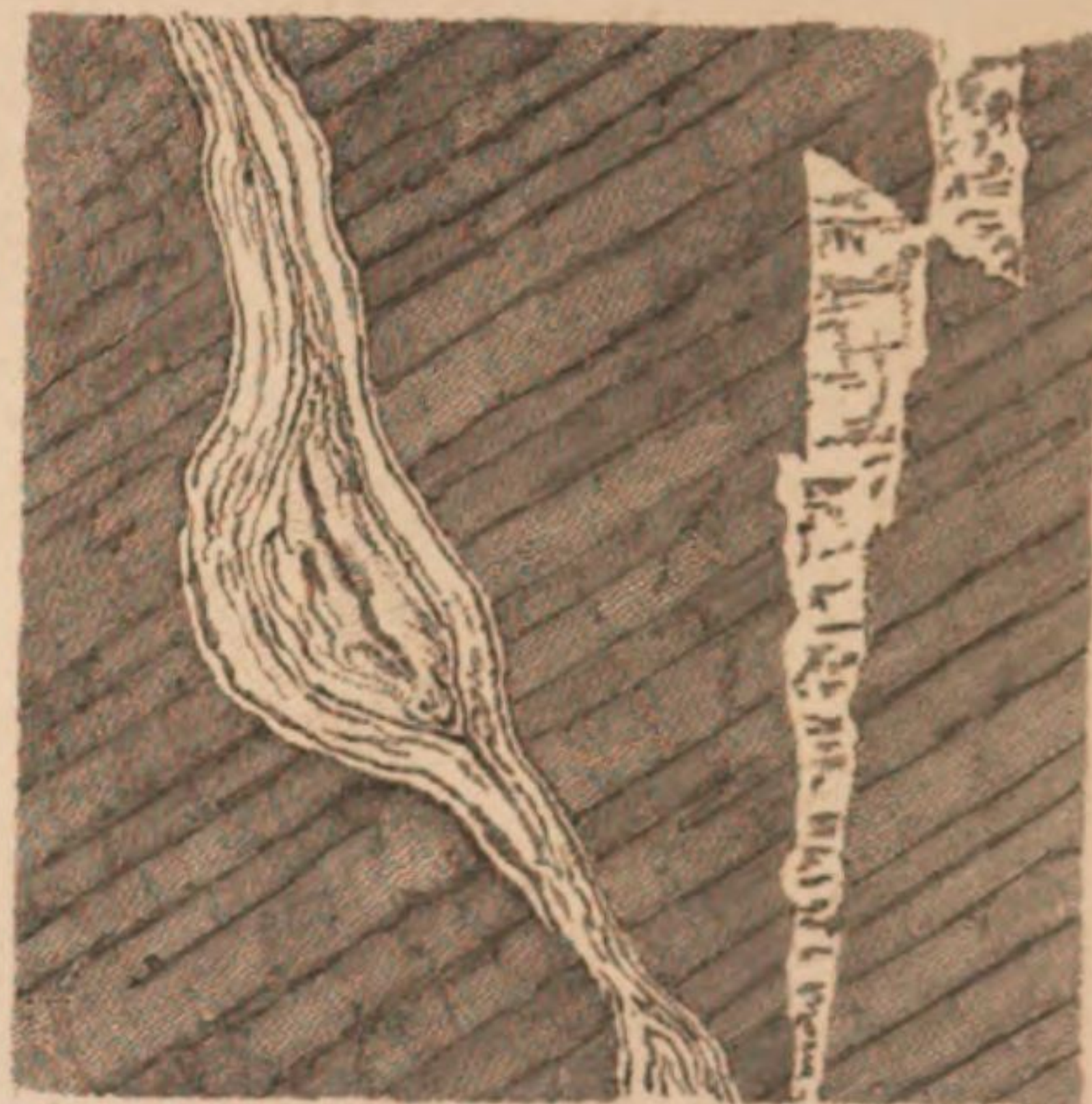
Fig. 1.
Steam whim for raising coals used in Staffordshire.



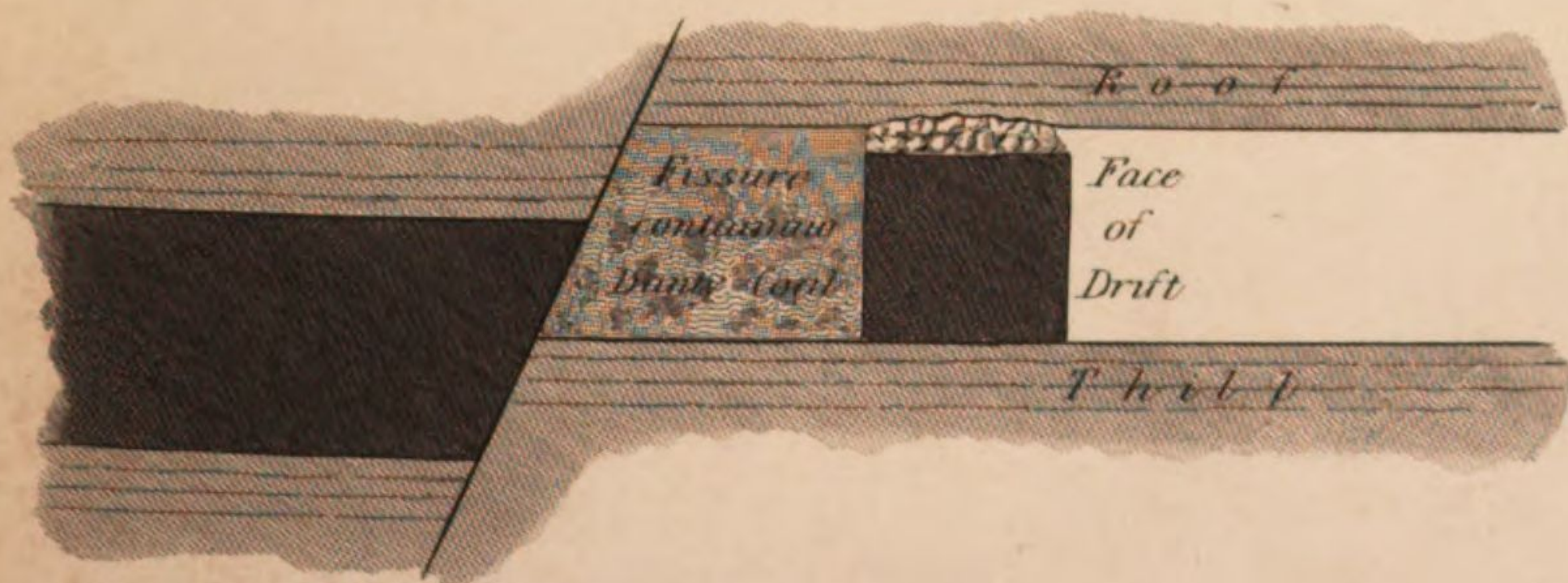
3
Section of a Coal district.



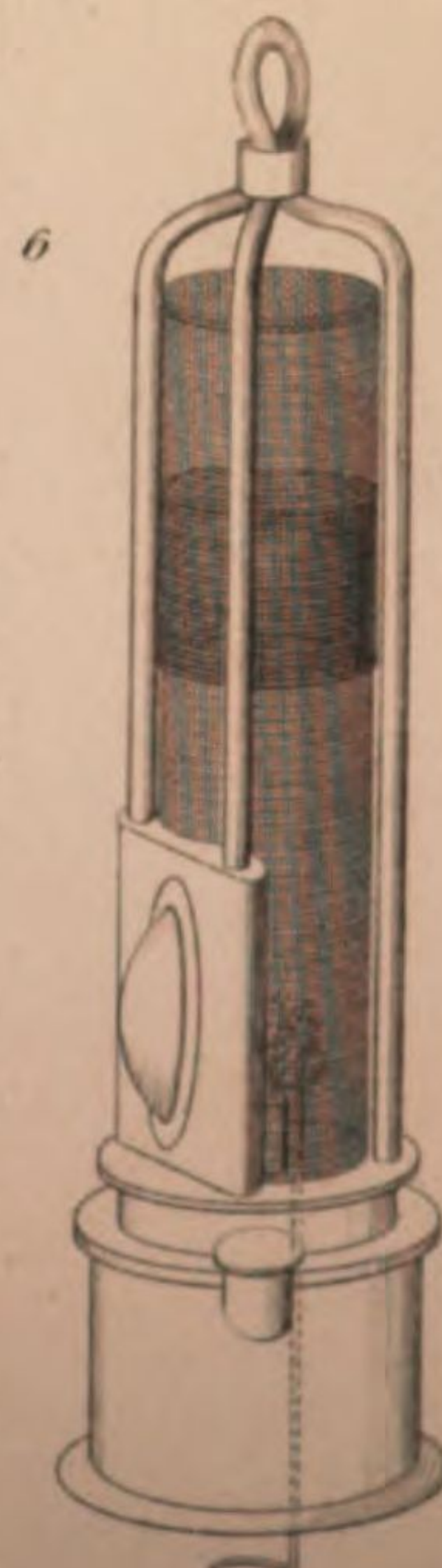
2
Metallic veins



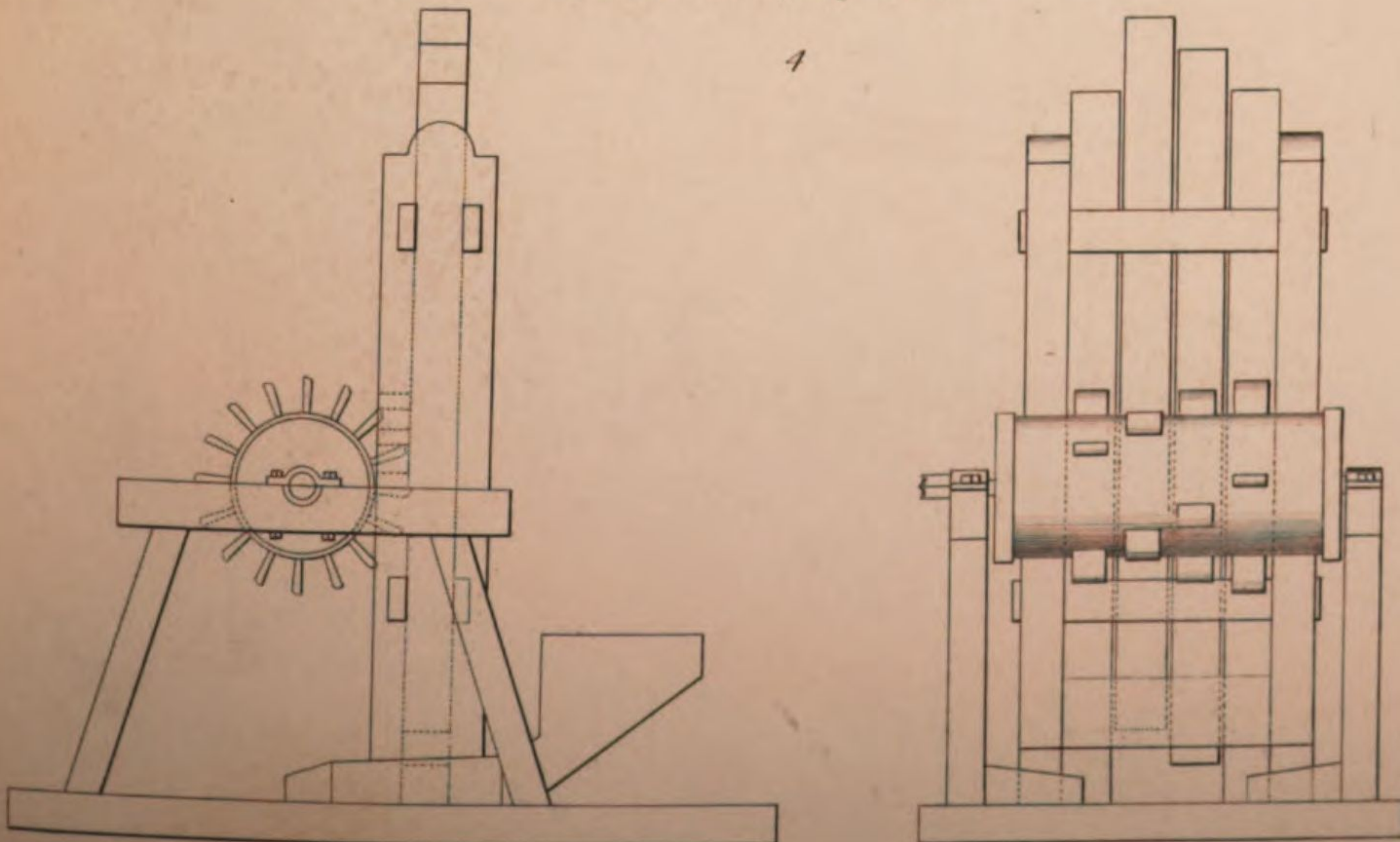
Explosion at the Jarrow Colliery.
5



Sir H. Davy's Safety Lamp



Mill for Stamping Ores



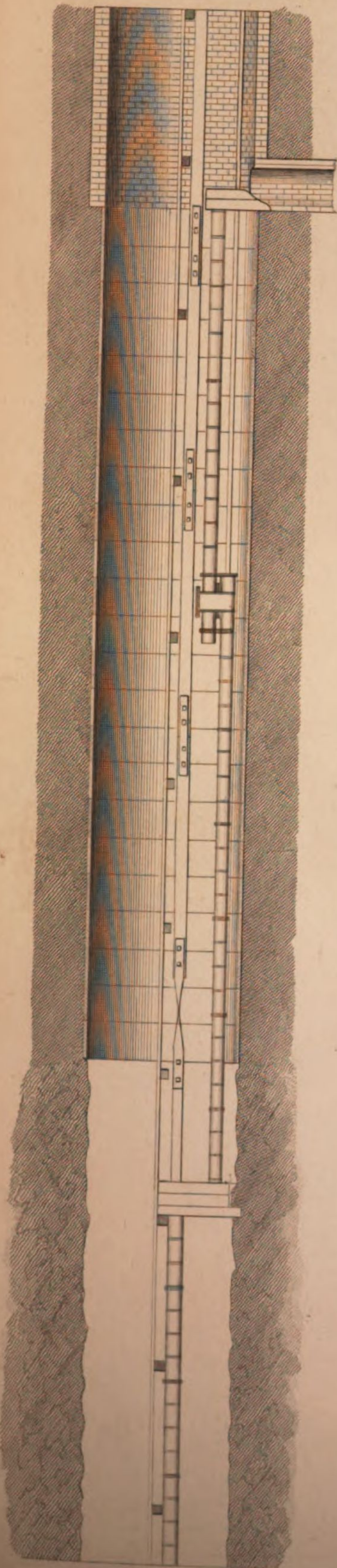
MANUFACTURES.

MINING.

PLATE XVII

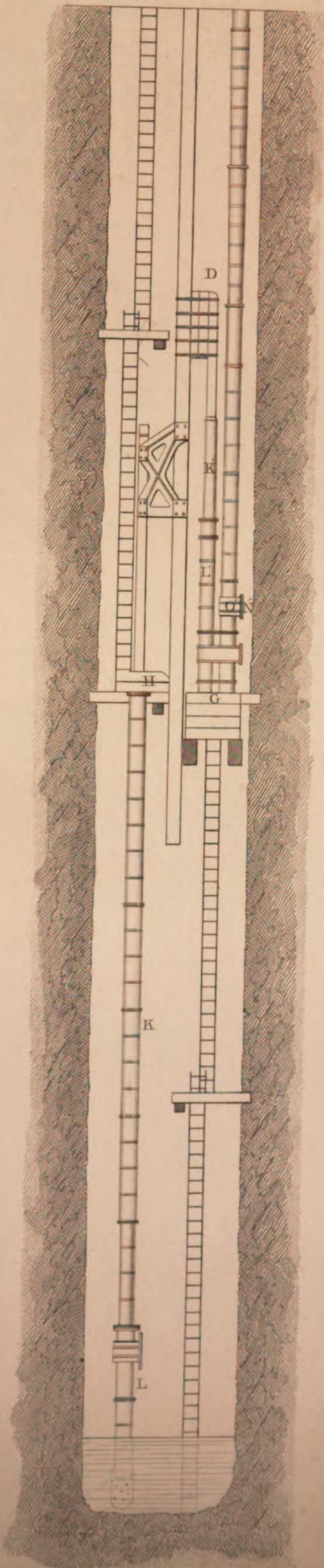
Coal mine shaft.

3



F. Barlow Junr delin.

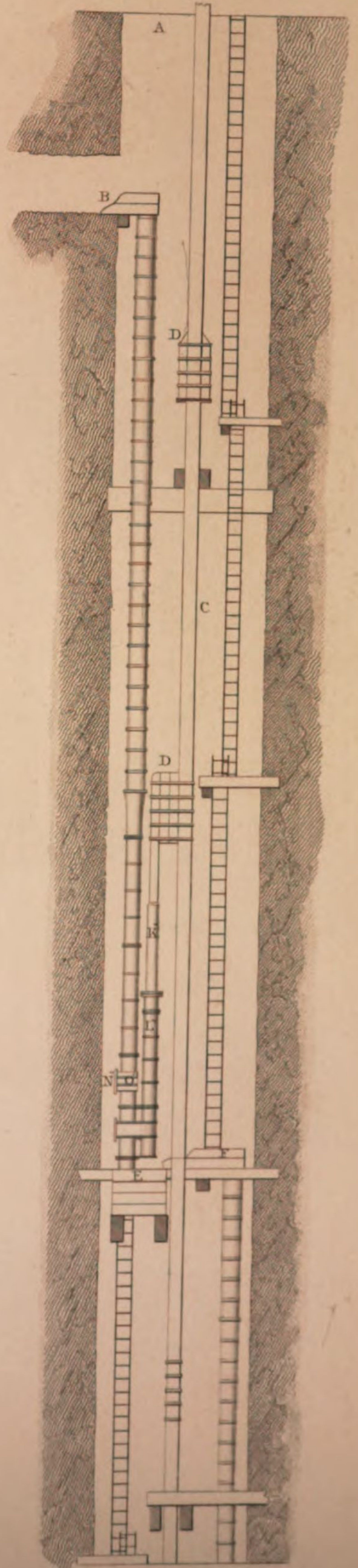
2



Published Sept. 1834, by Baldwin & Cradock, Paternoster Row.

Copper Mine shaft.

Fig. 1.



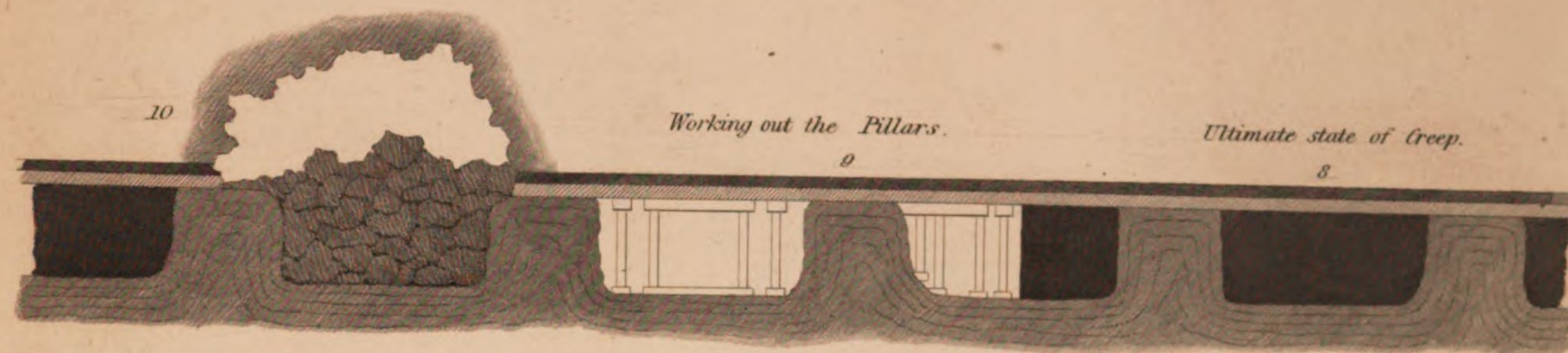
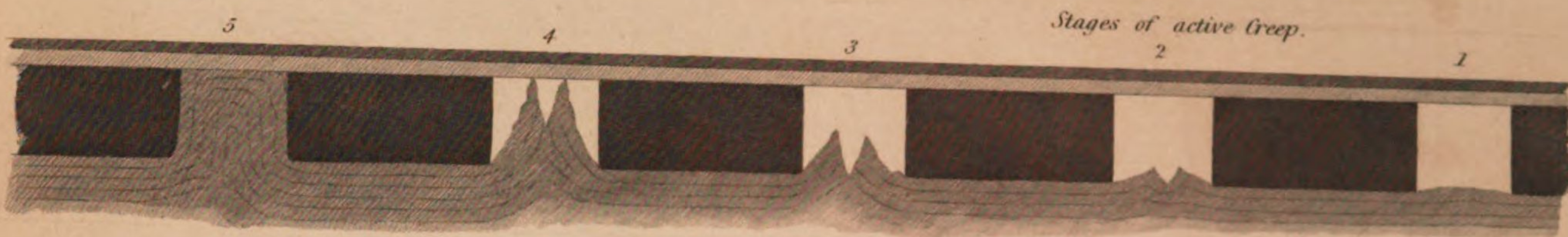
J. W. Leary sculp.

MANUFACTURES.

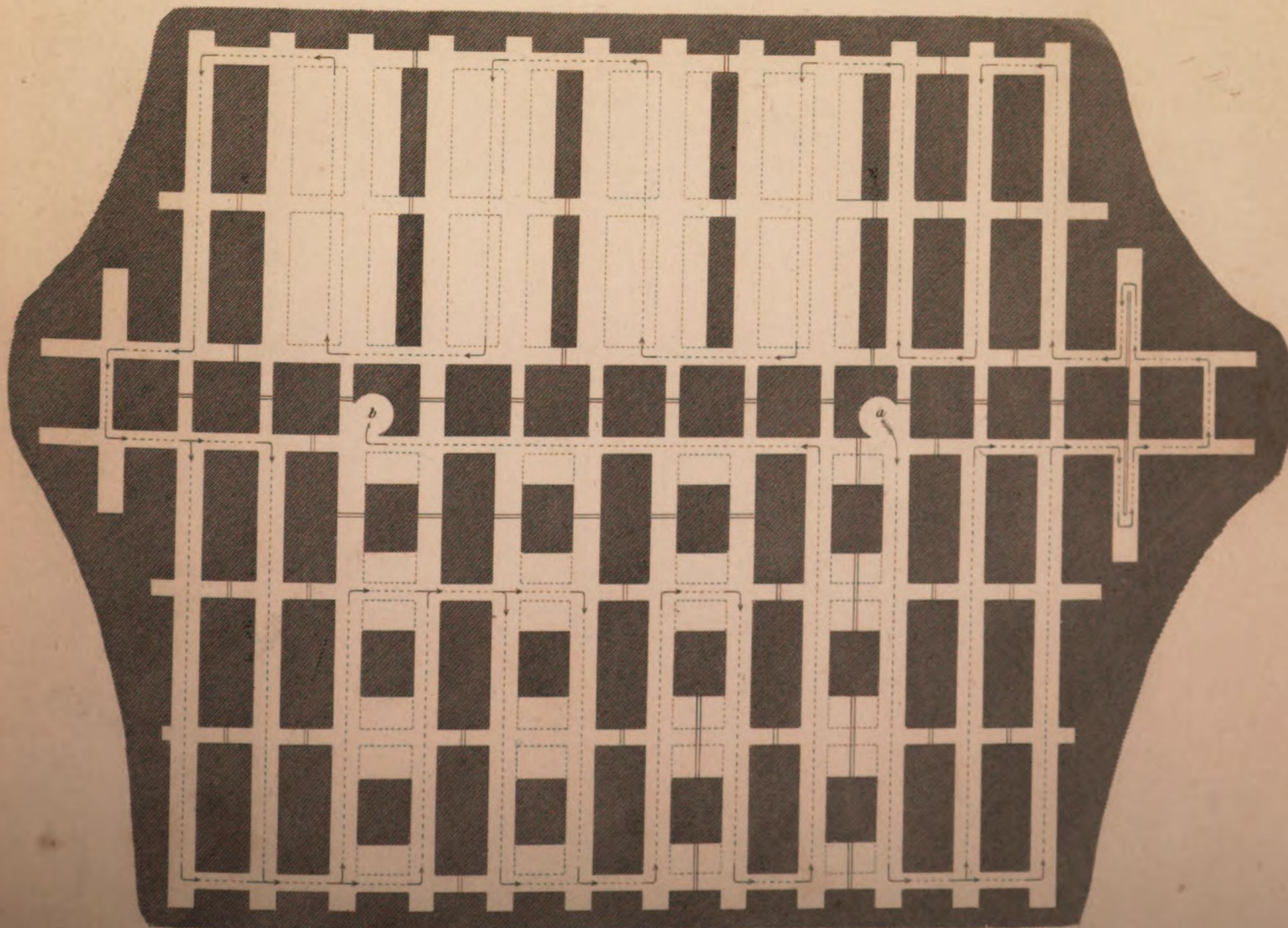
PLATE XVIII.

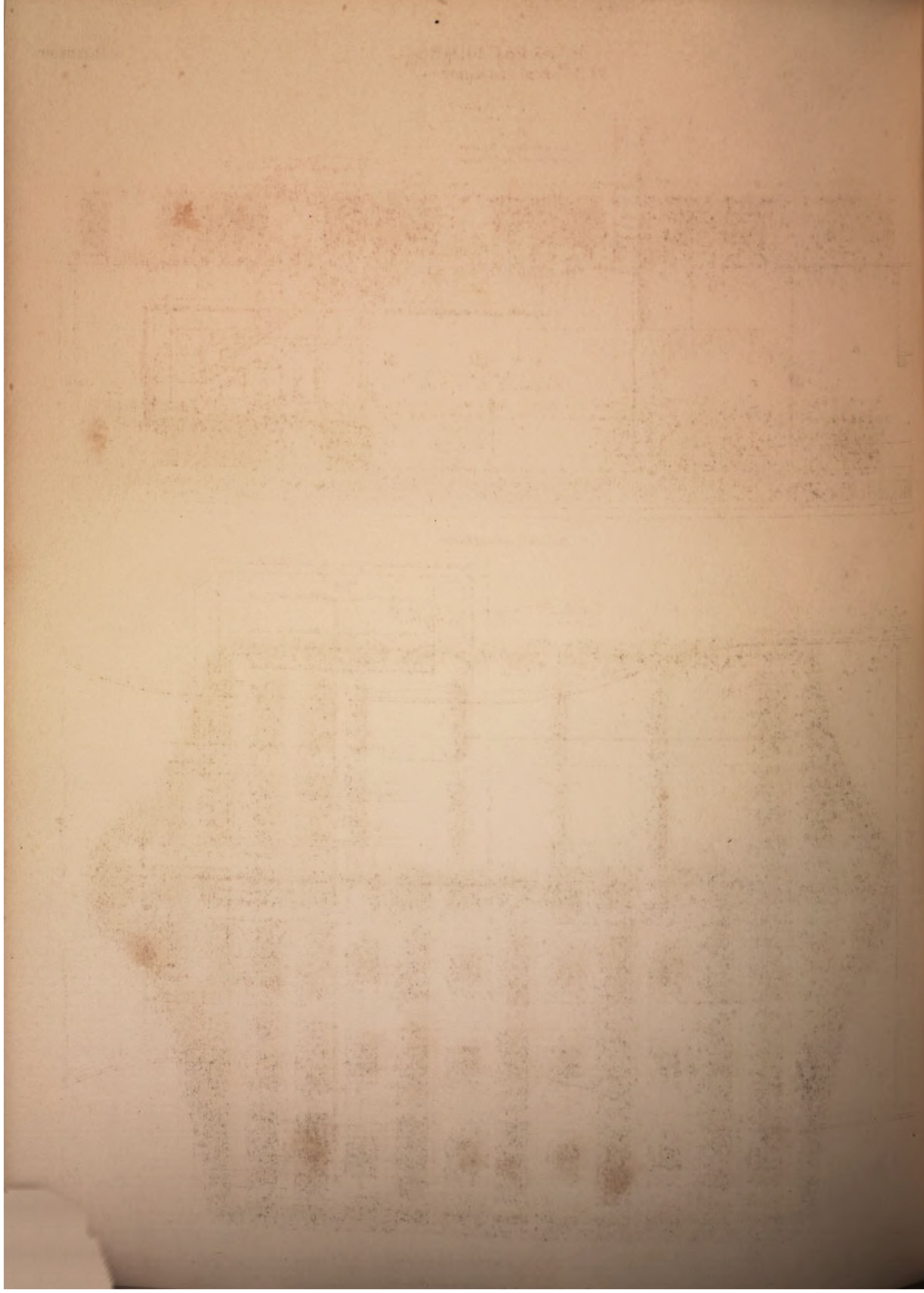
MINING.

Coal Mines.



11 Method of working & ventilating.



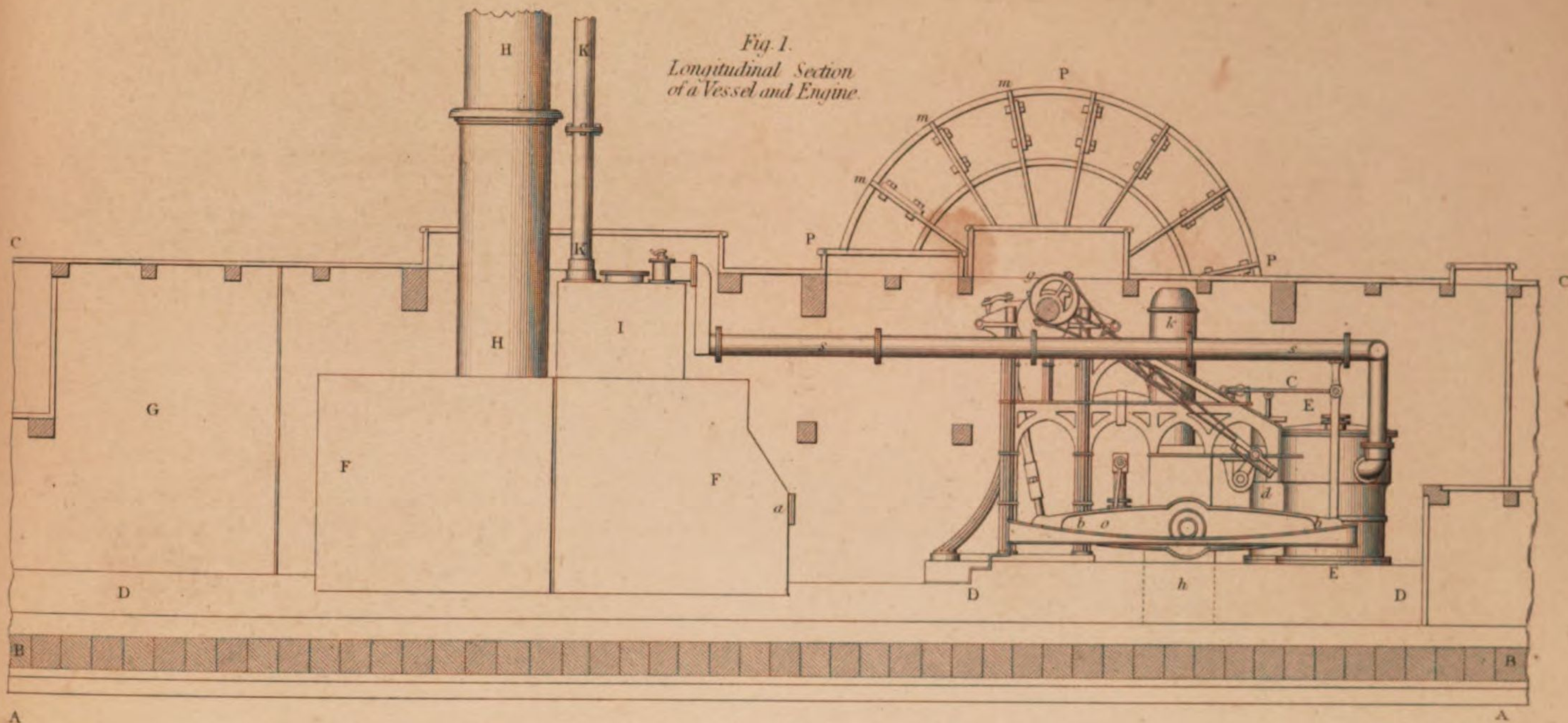


MANUFACTURES.

STEAM NAVIGATION.

PLATE XIX.

Fig. 1.
Longitudinal Section
of a Vessel and Engine.



Plan of a Vessel and Engine.

Fig. 3.

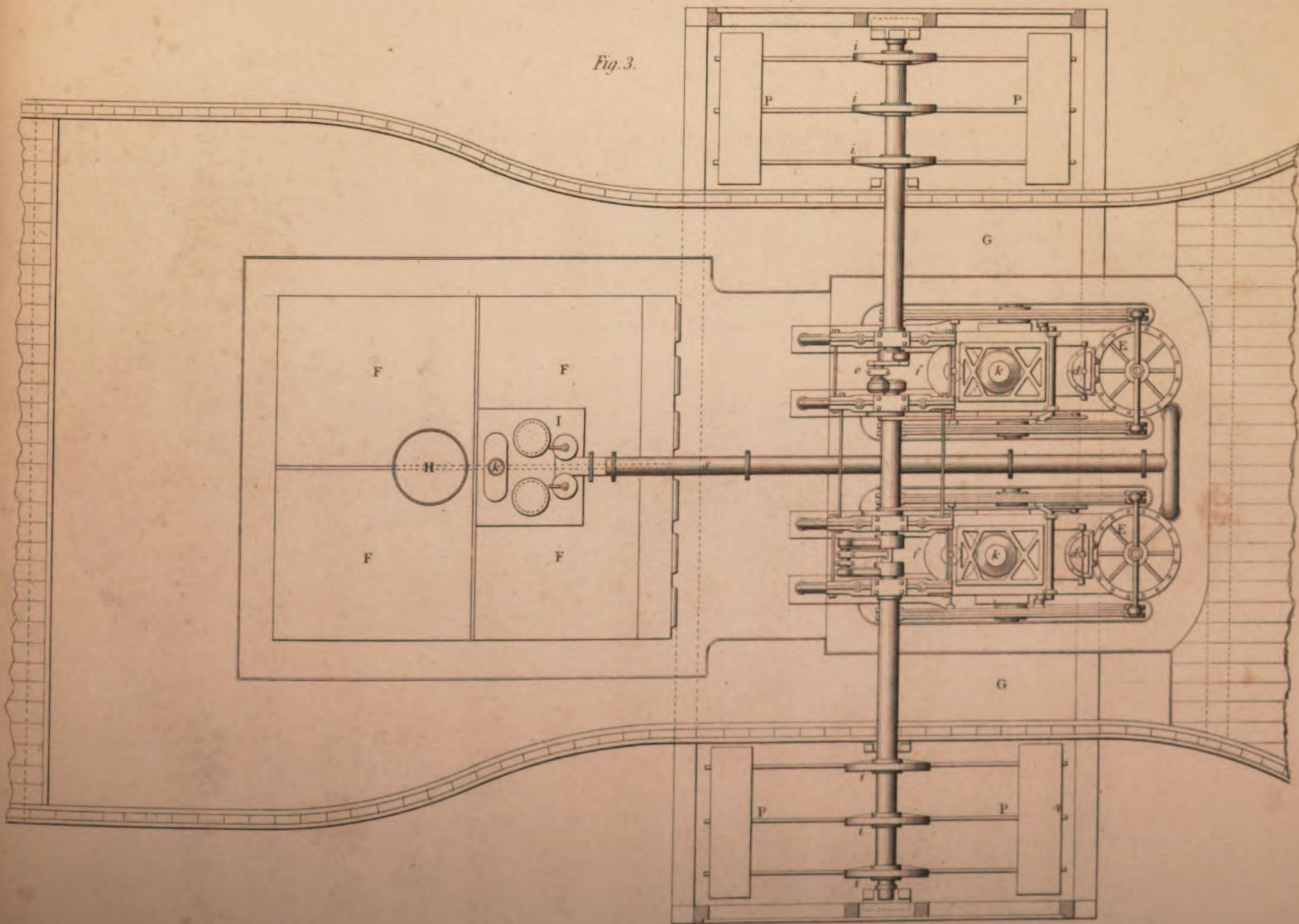
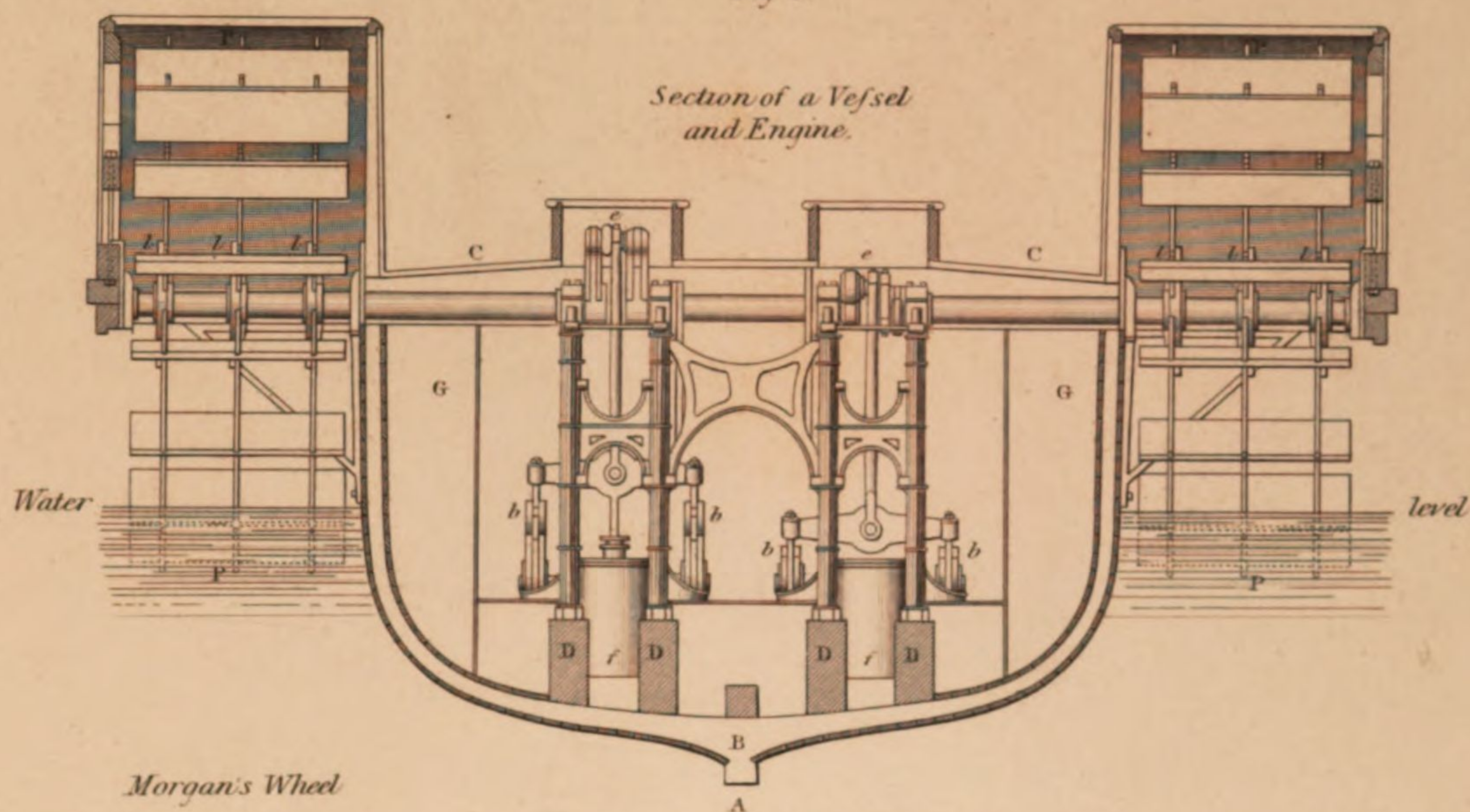
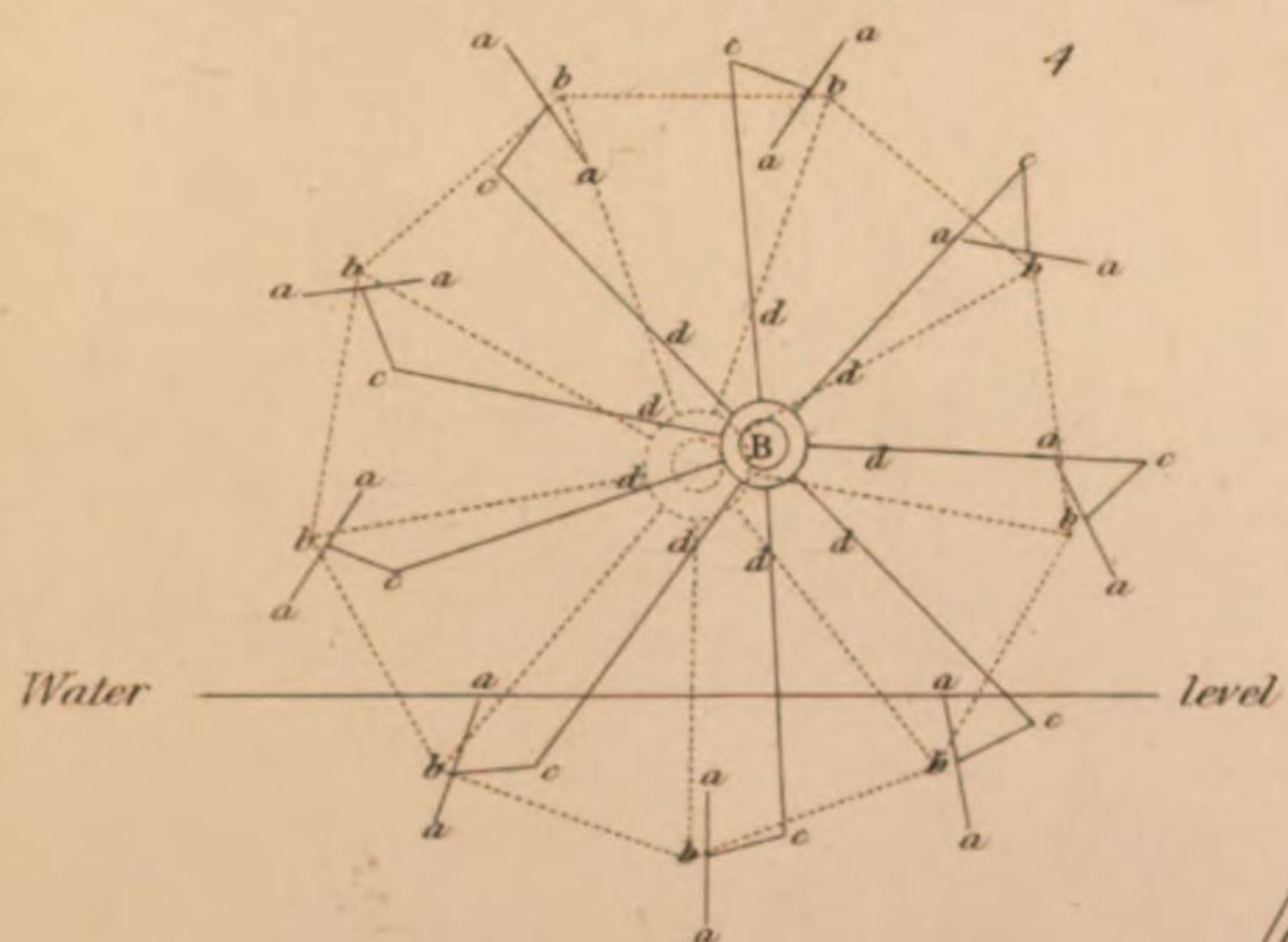




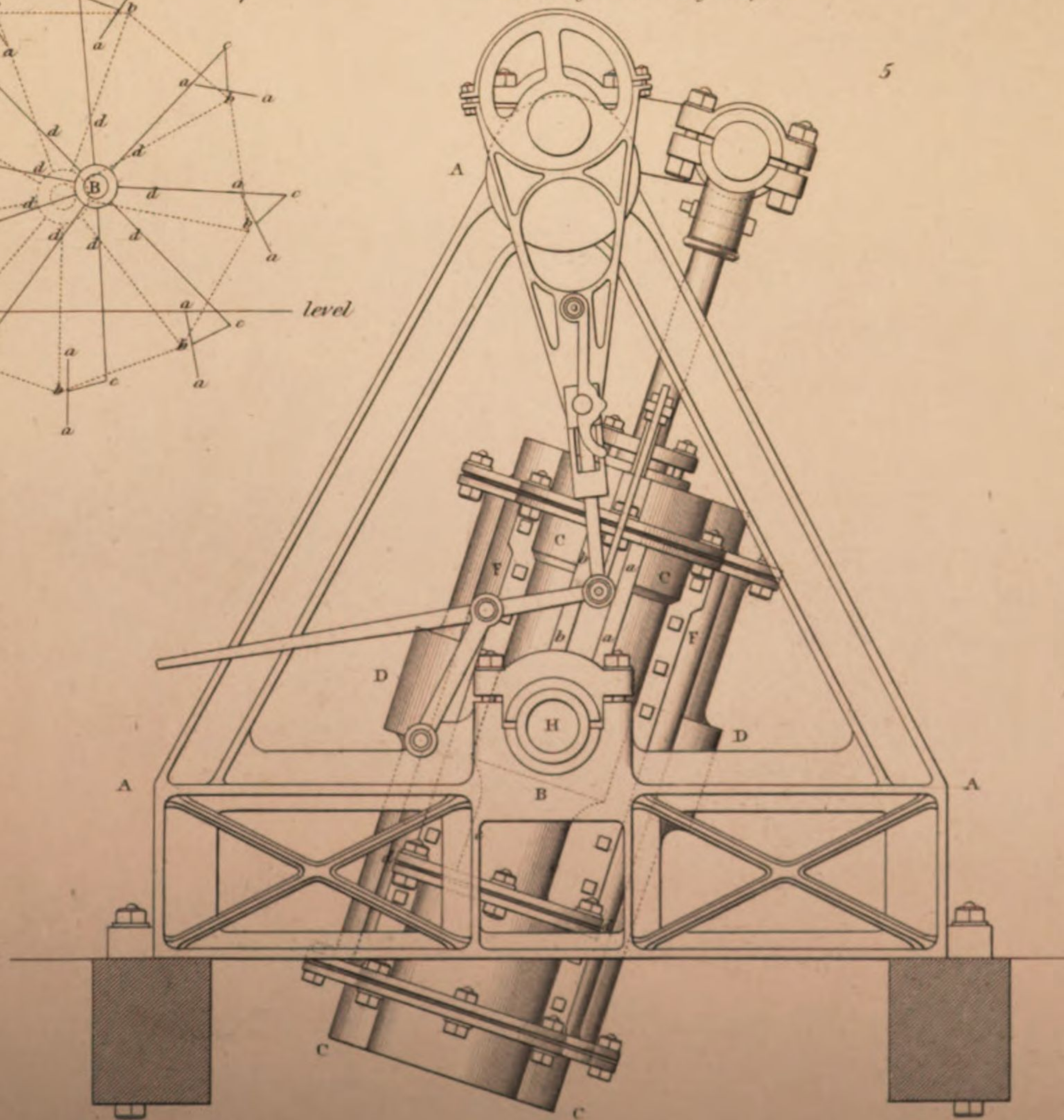
Fig. 2.

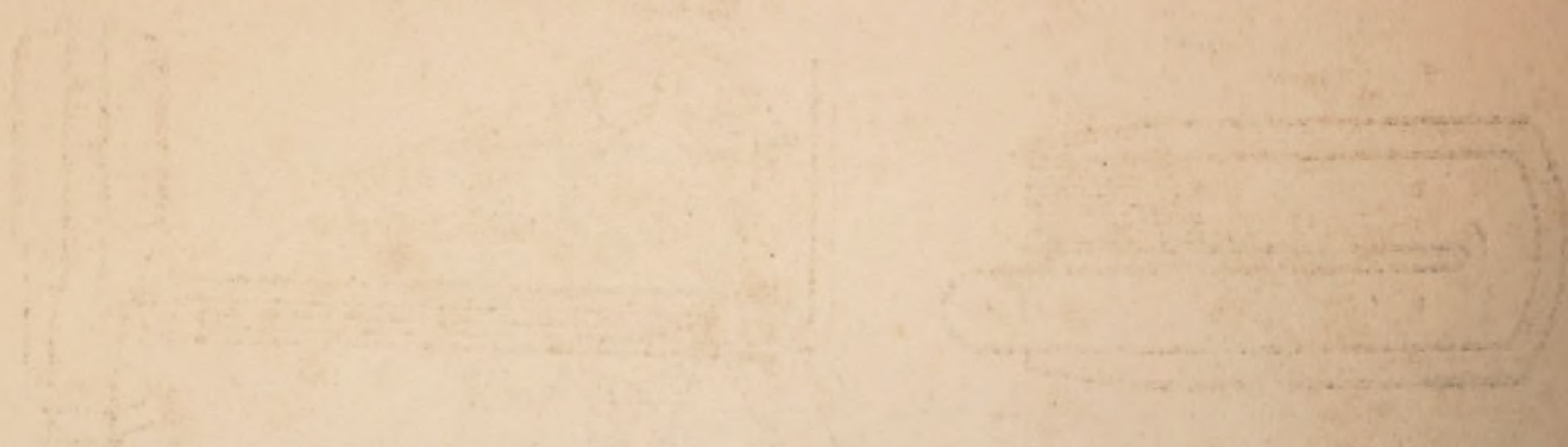


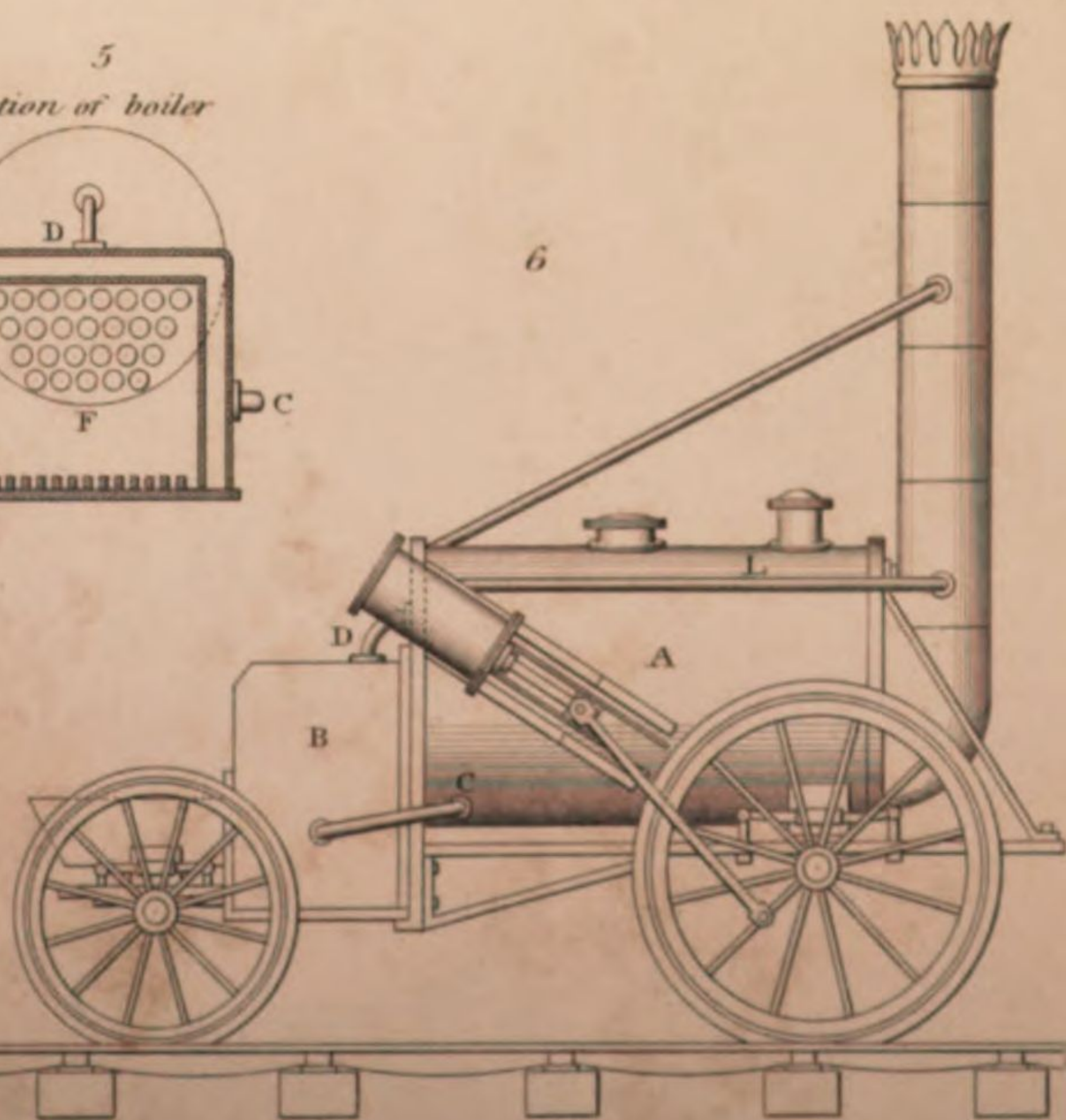
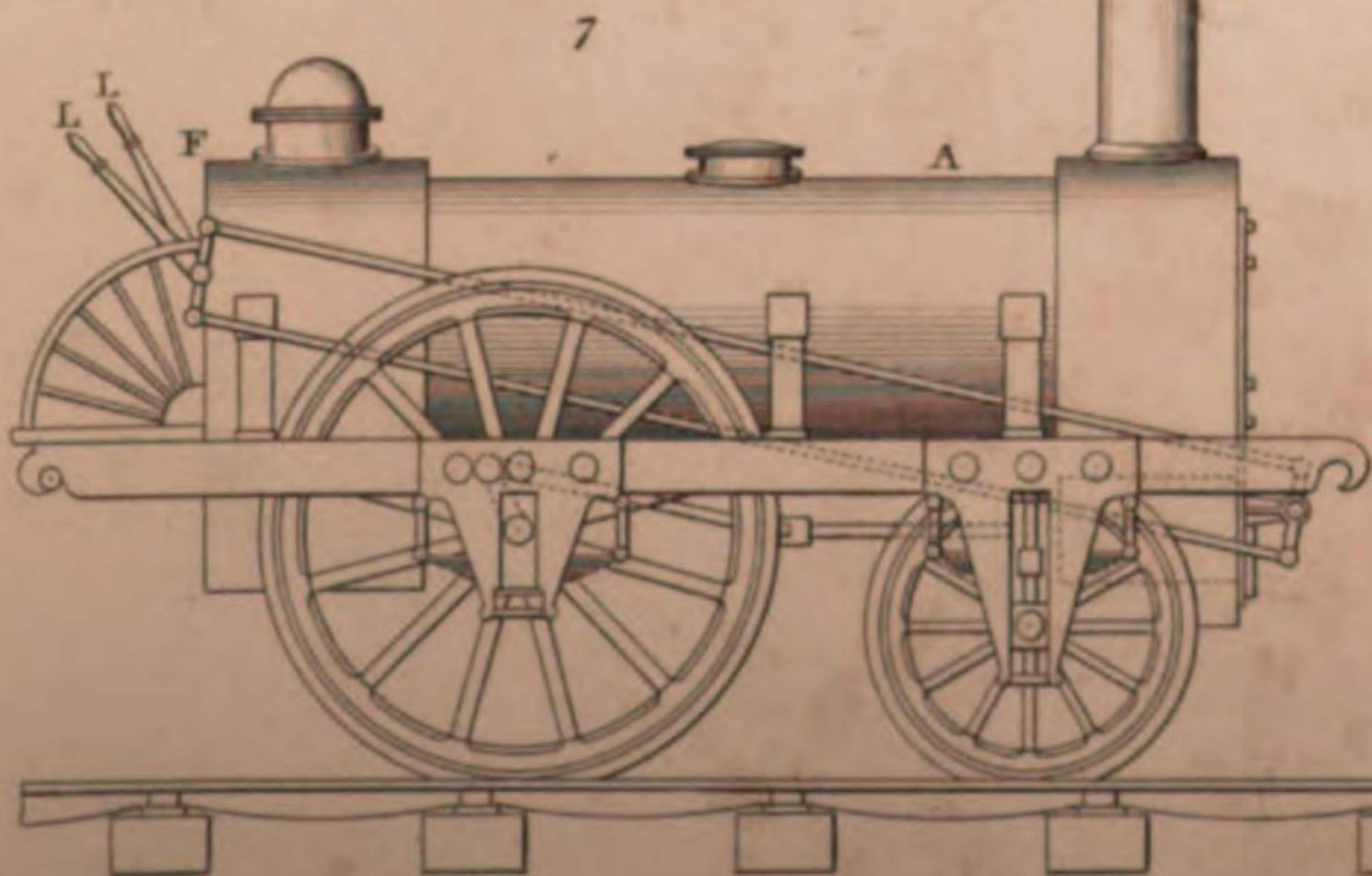
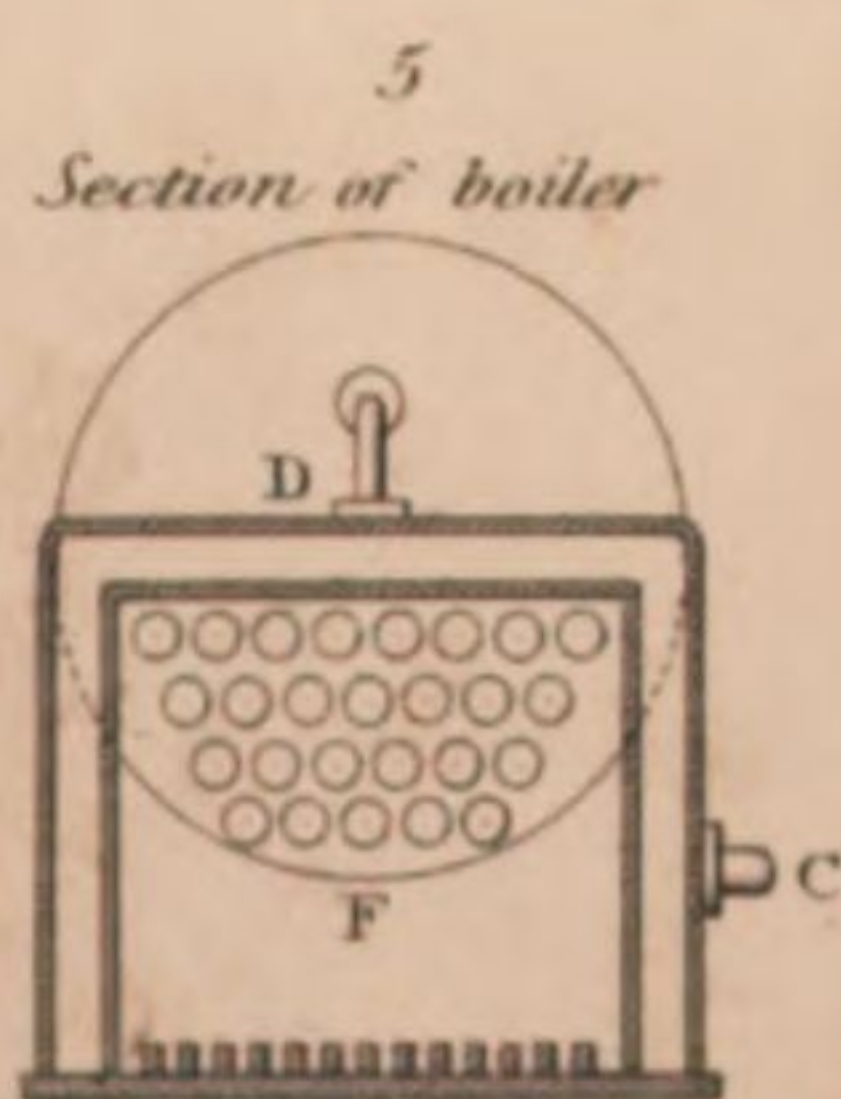
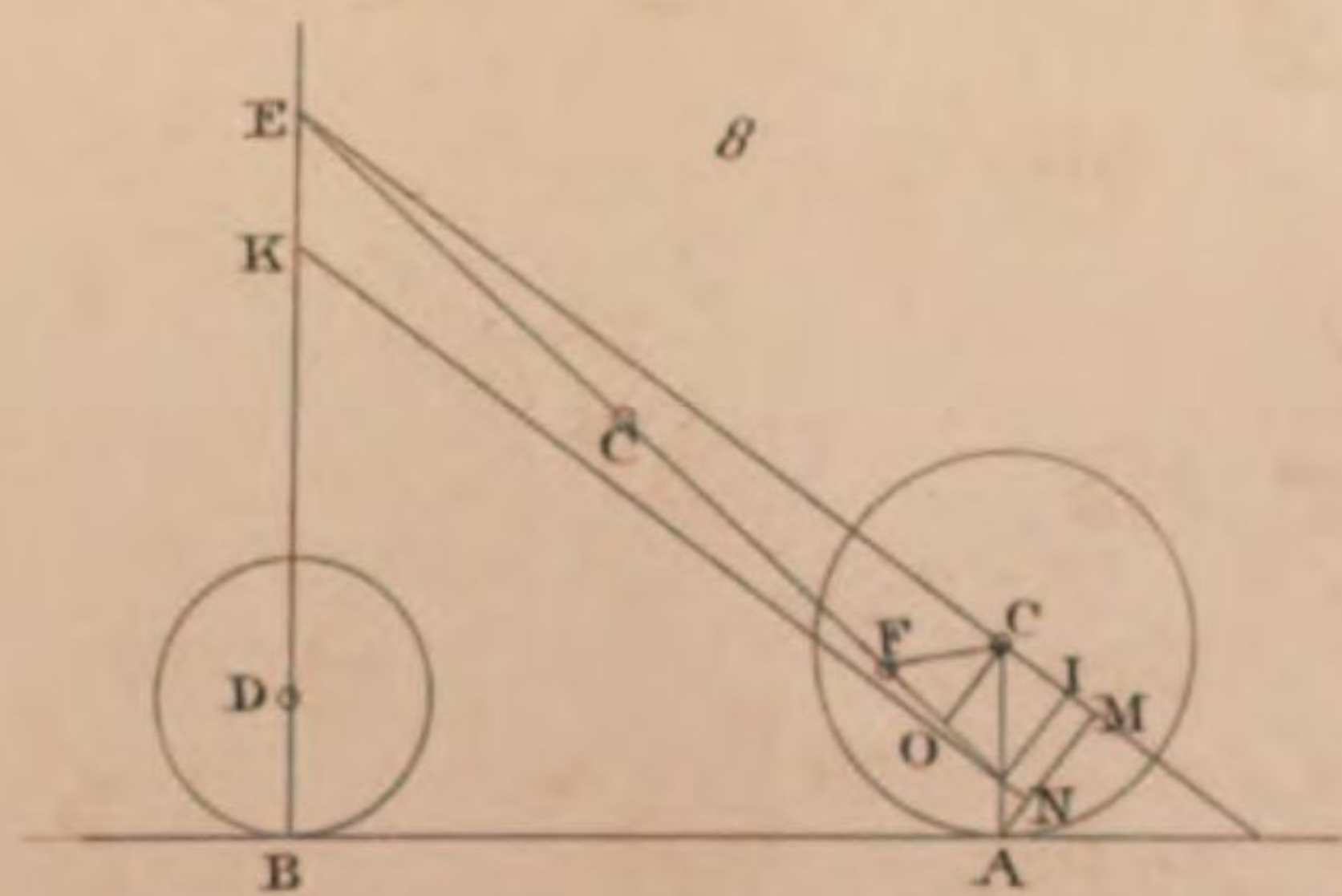
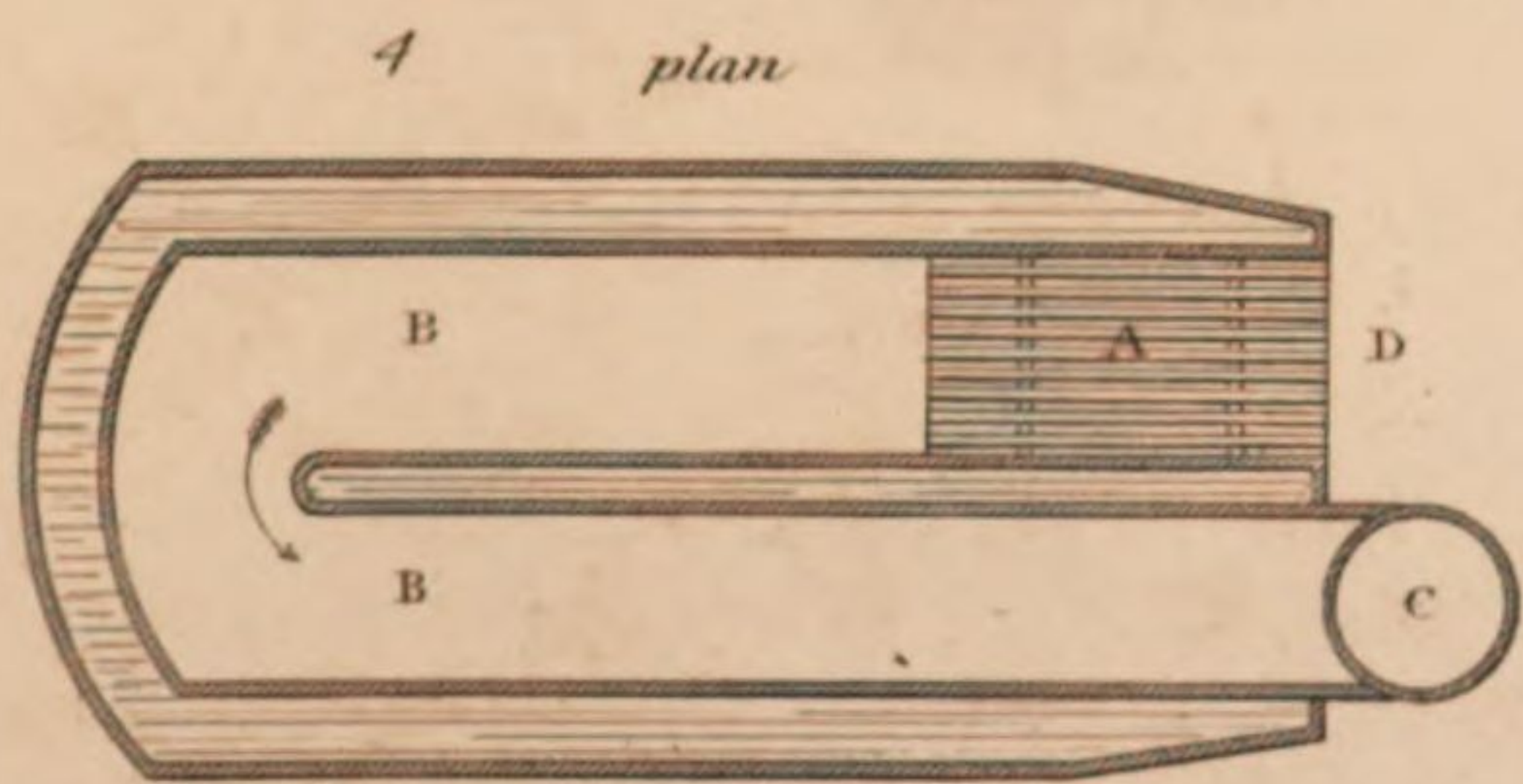
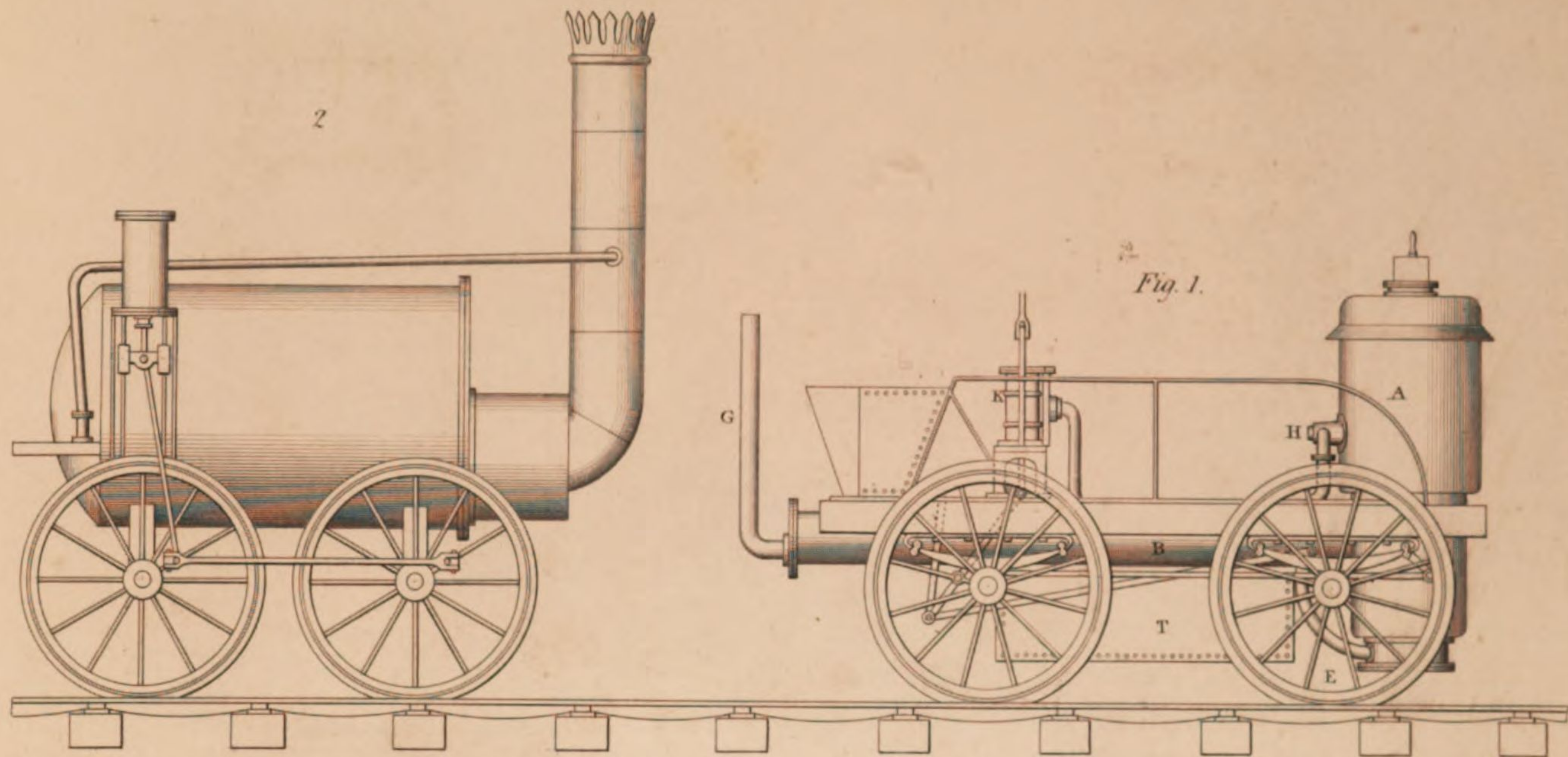
Morgan's Wheel

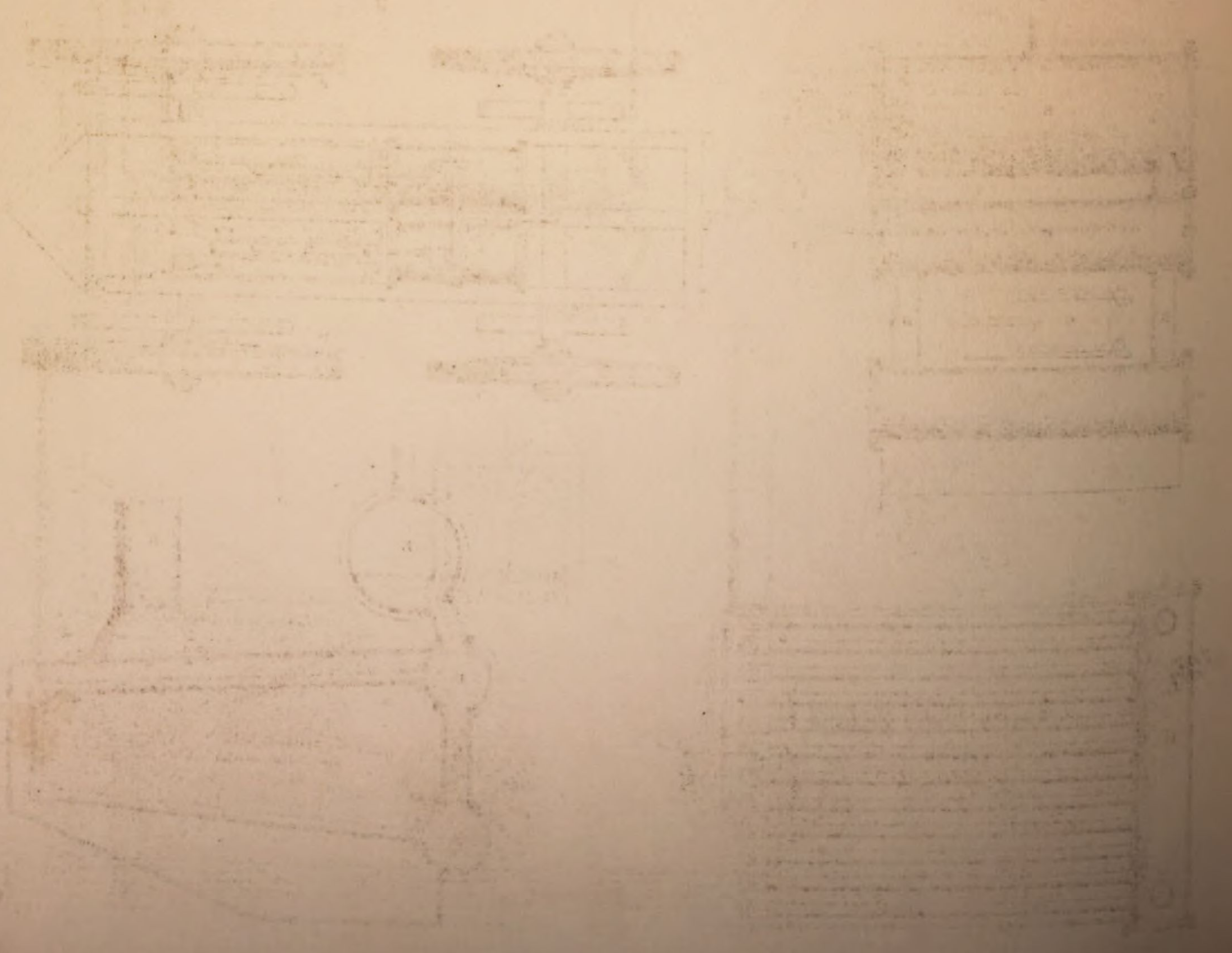
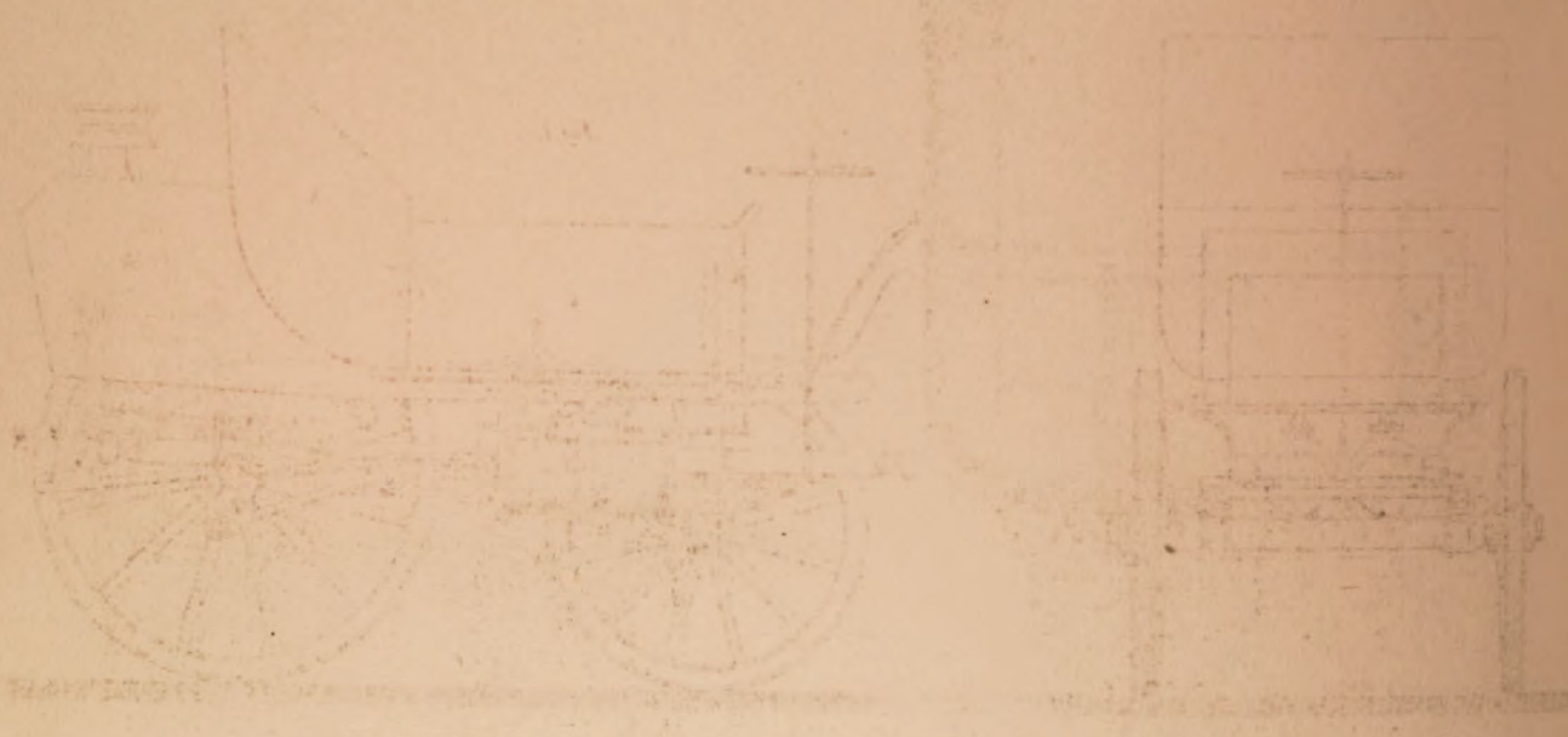


Maudsley's vibrating Engine.









MANUFACTURES.

LOCOMOTIVE ENGINES FOR COMMON ROADS.

PLATE XXII

2

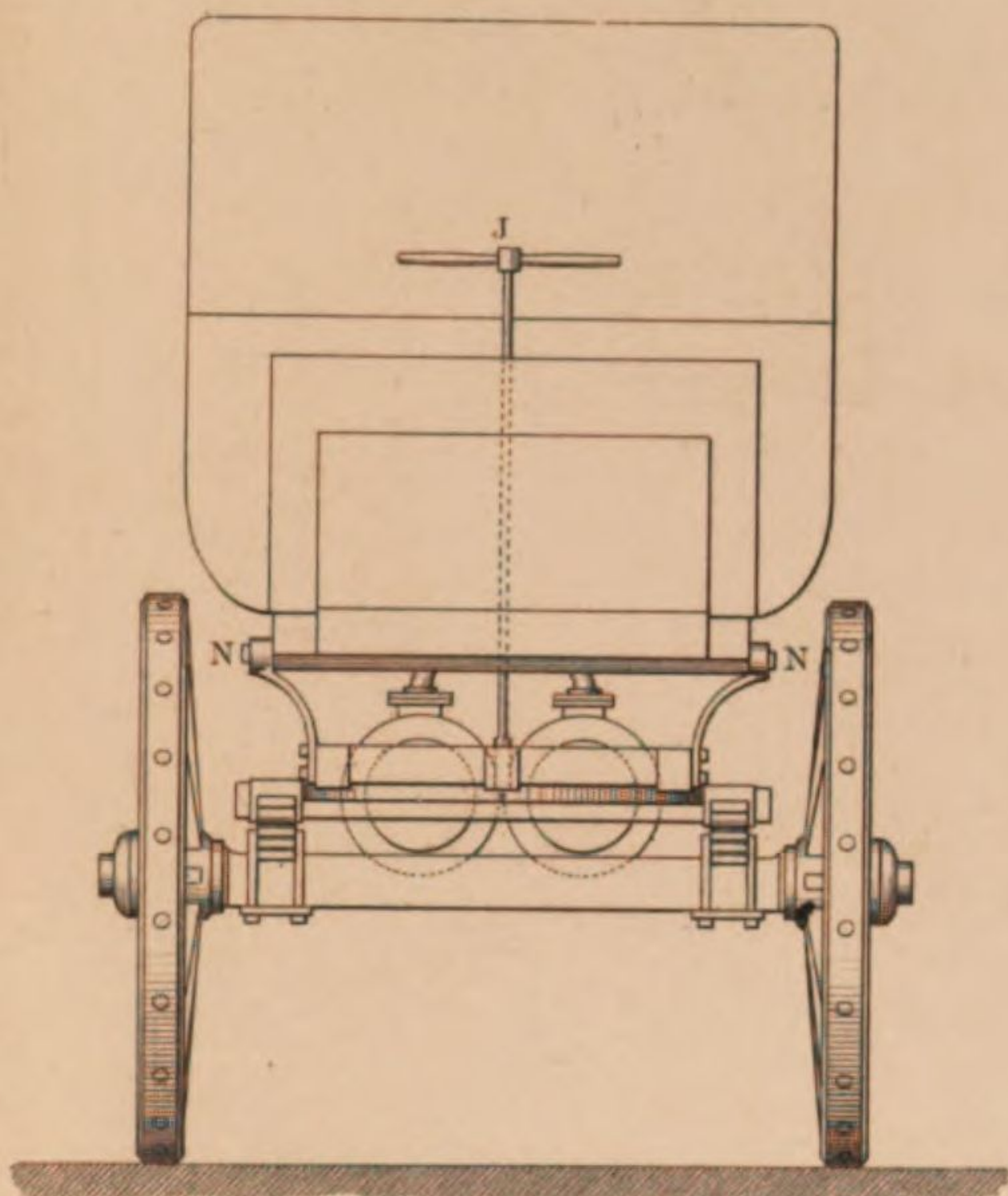
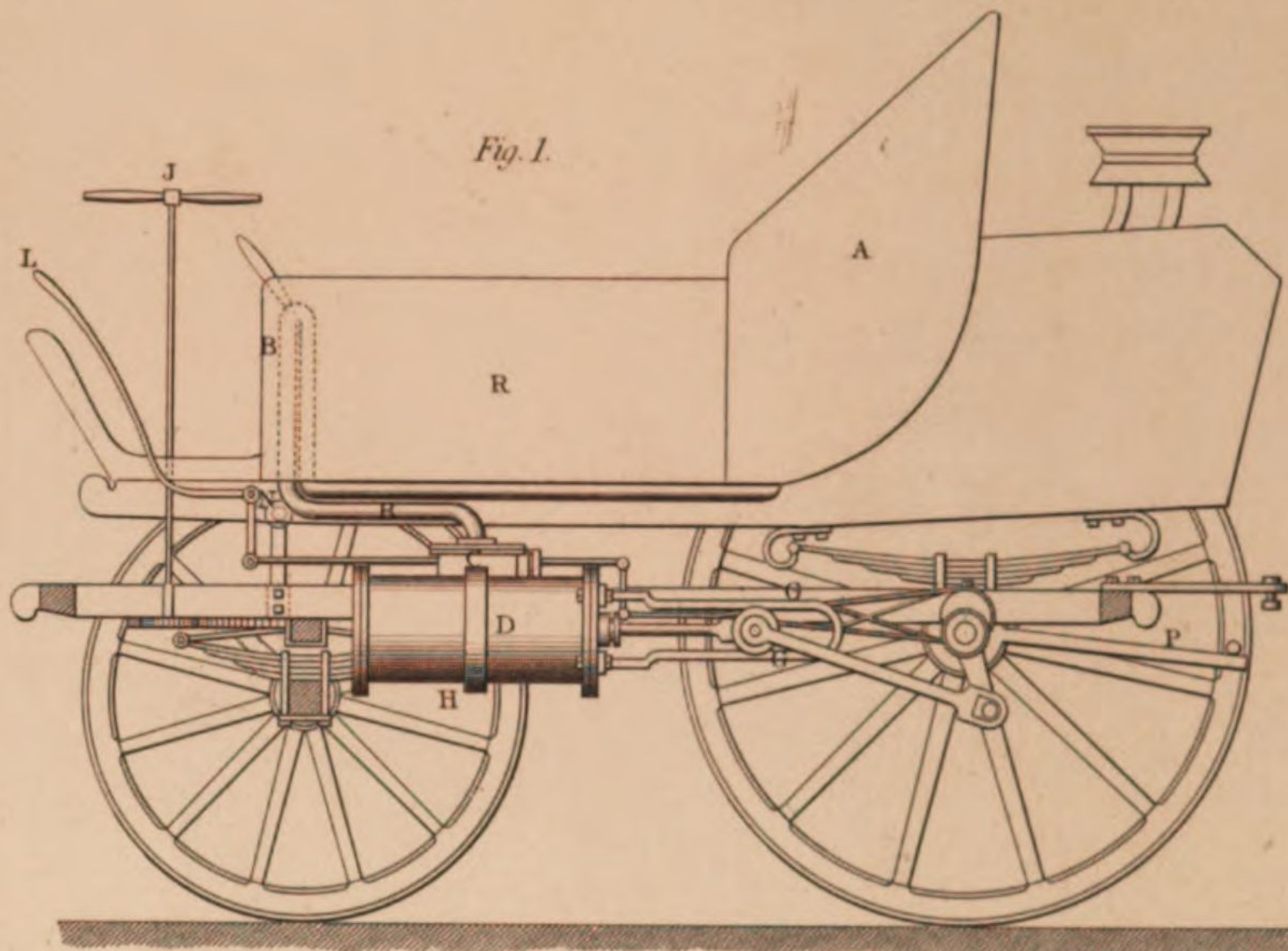
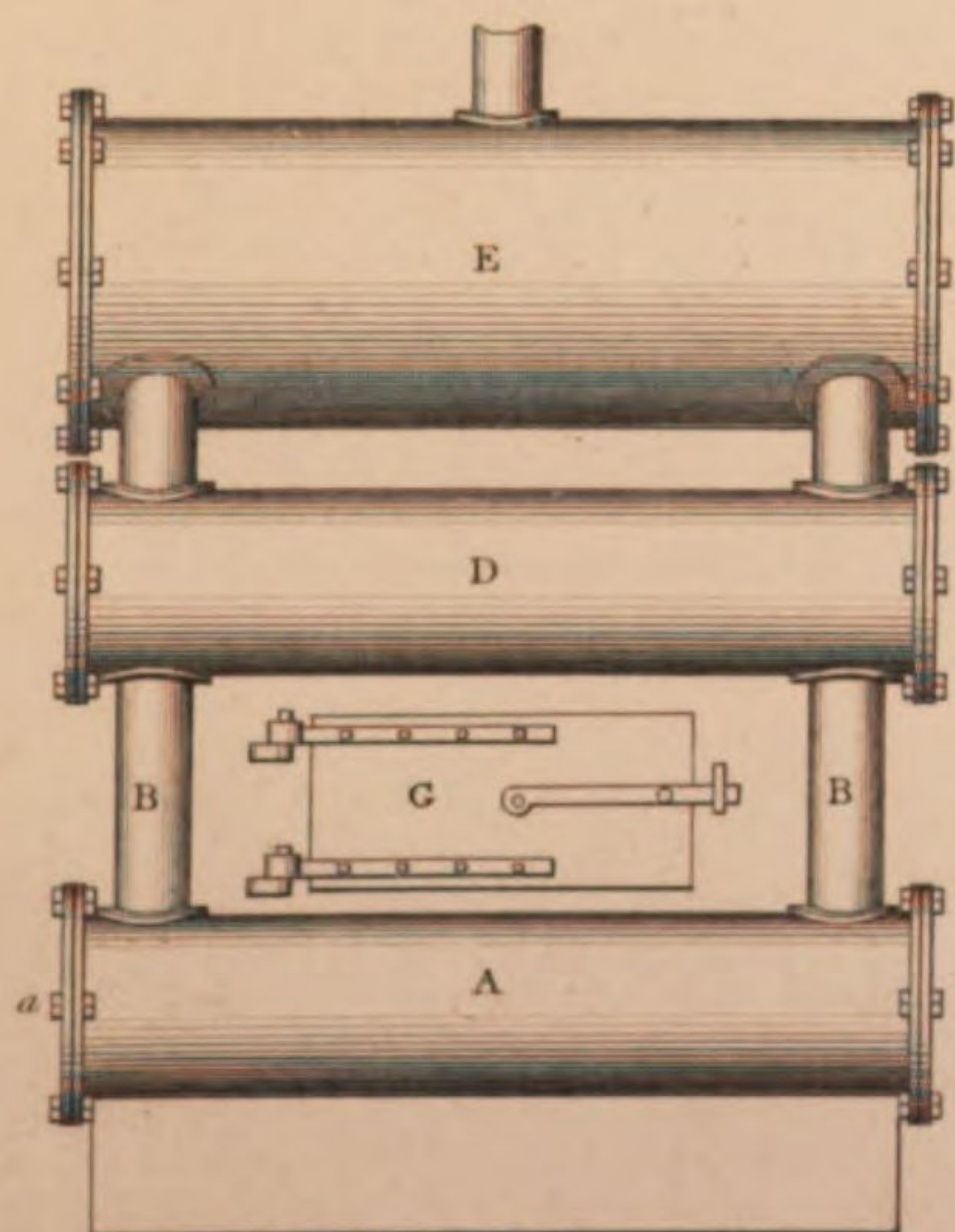


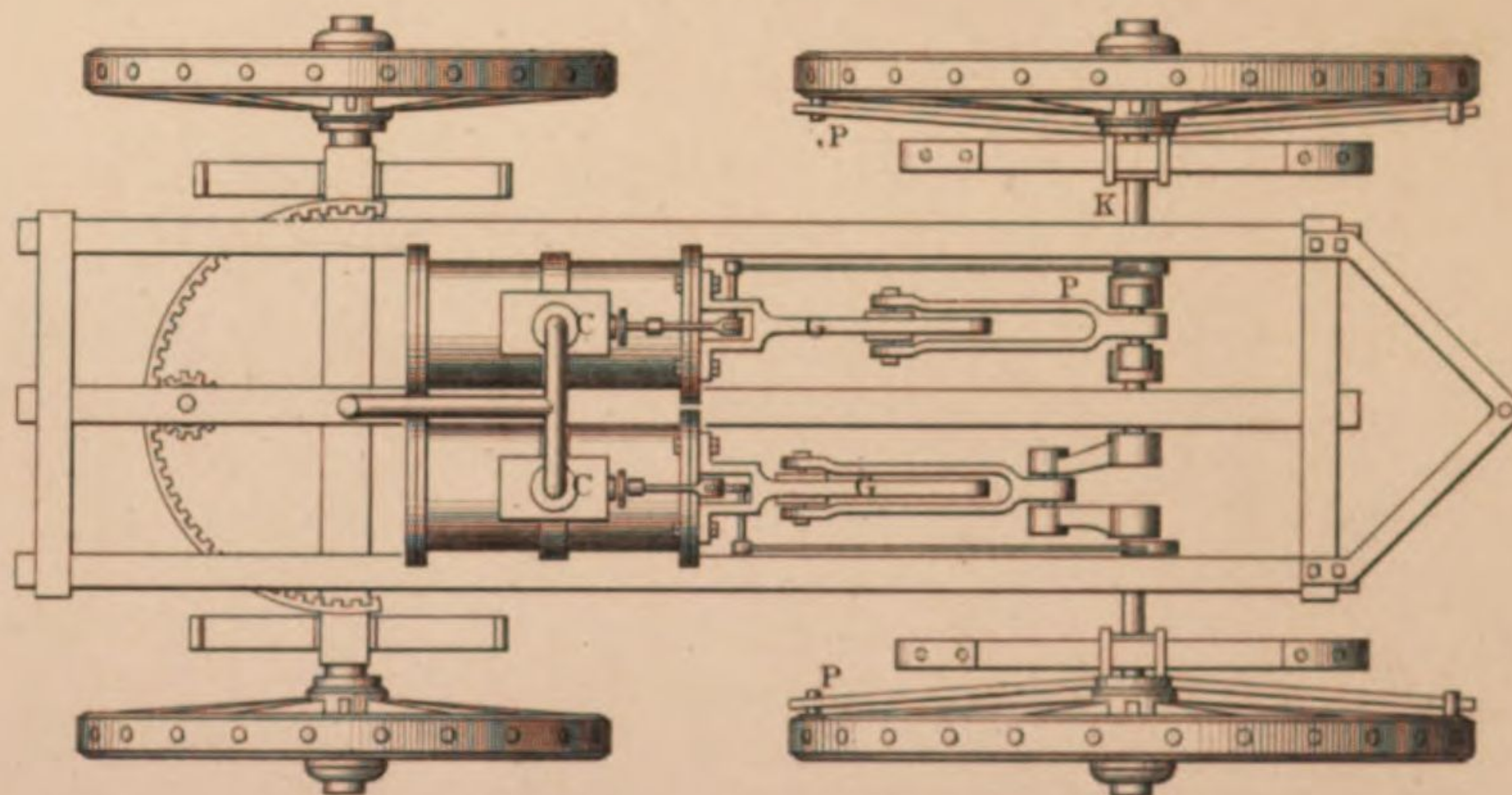
Fig. 1.



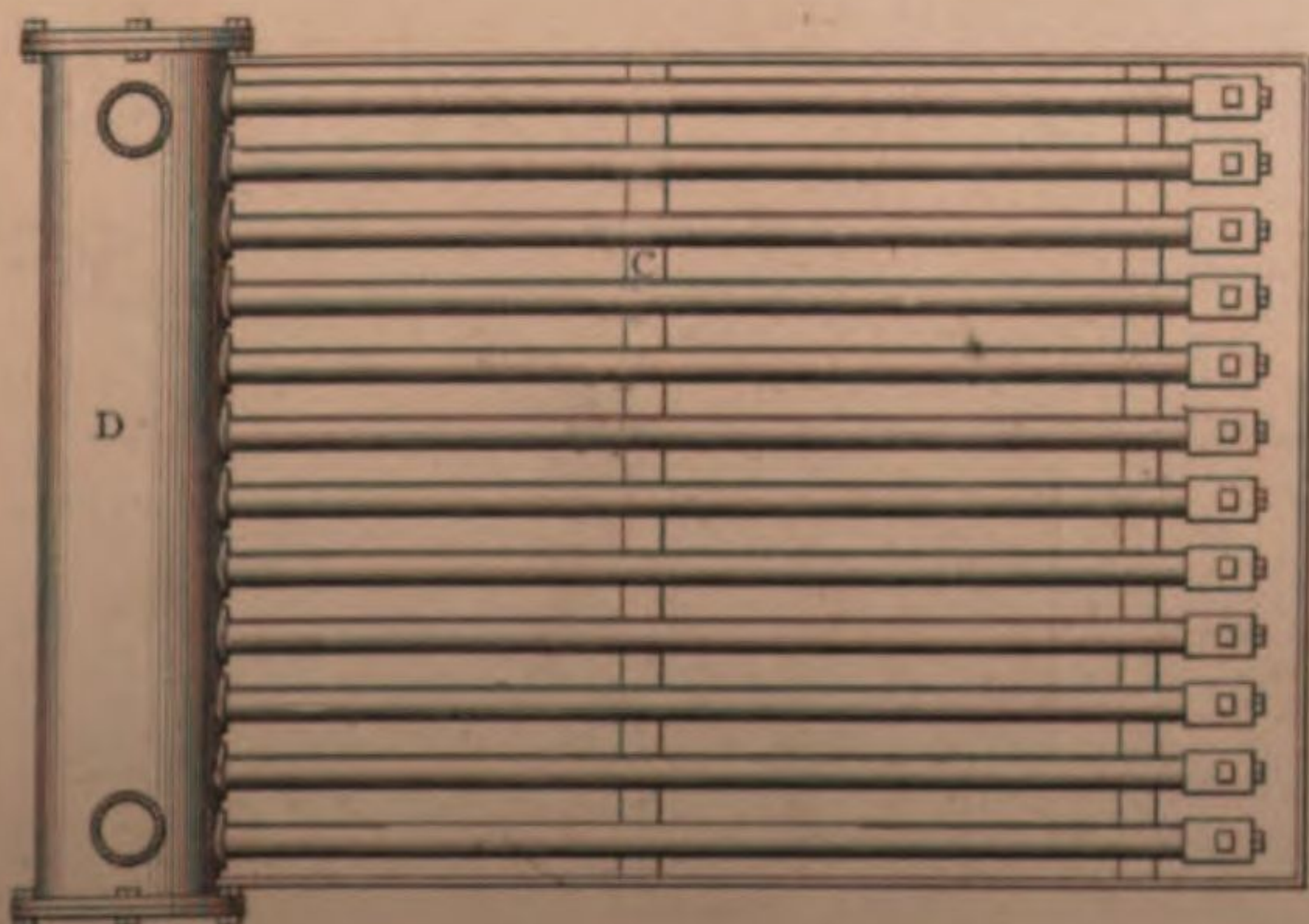
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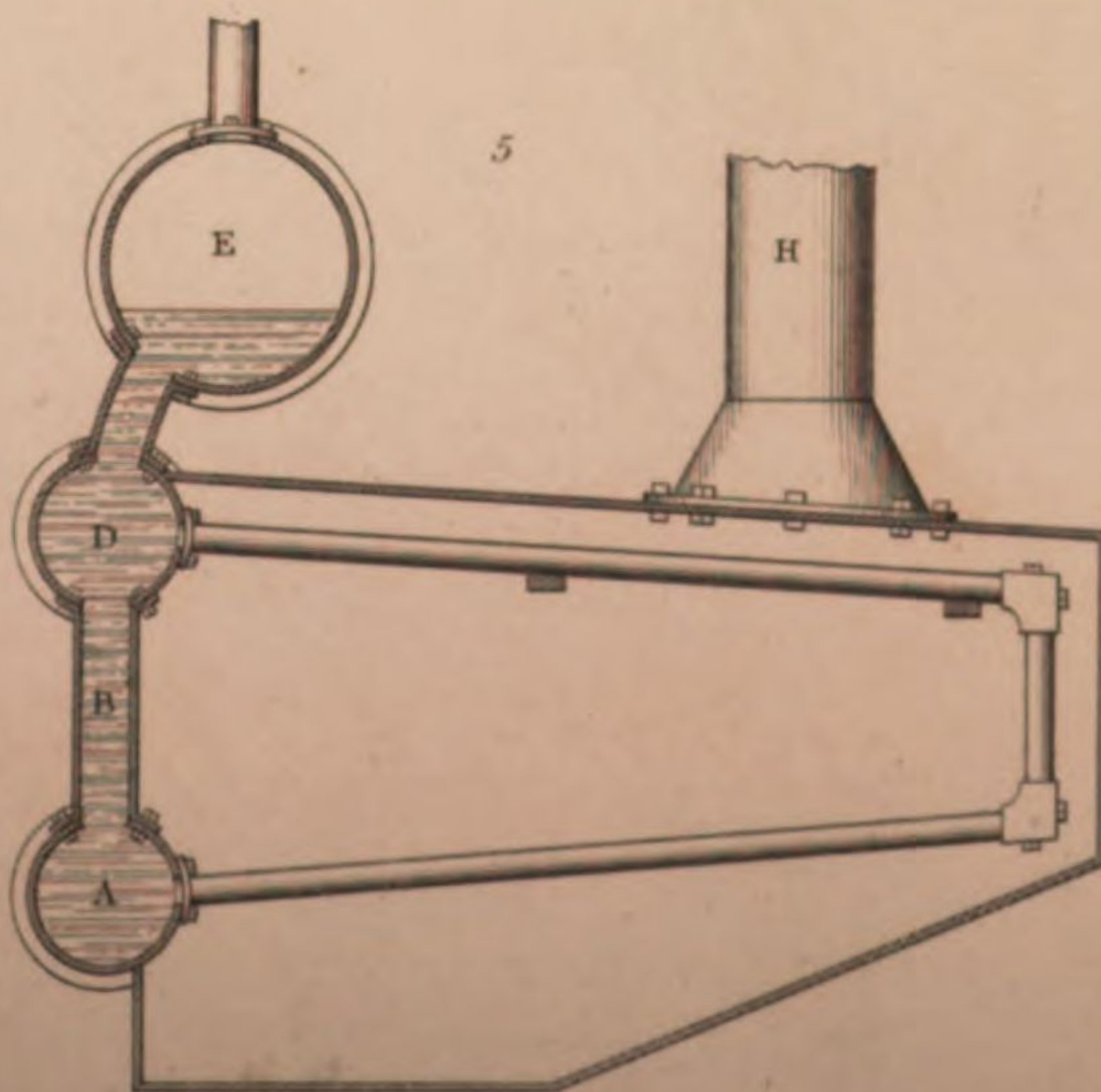
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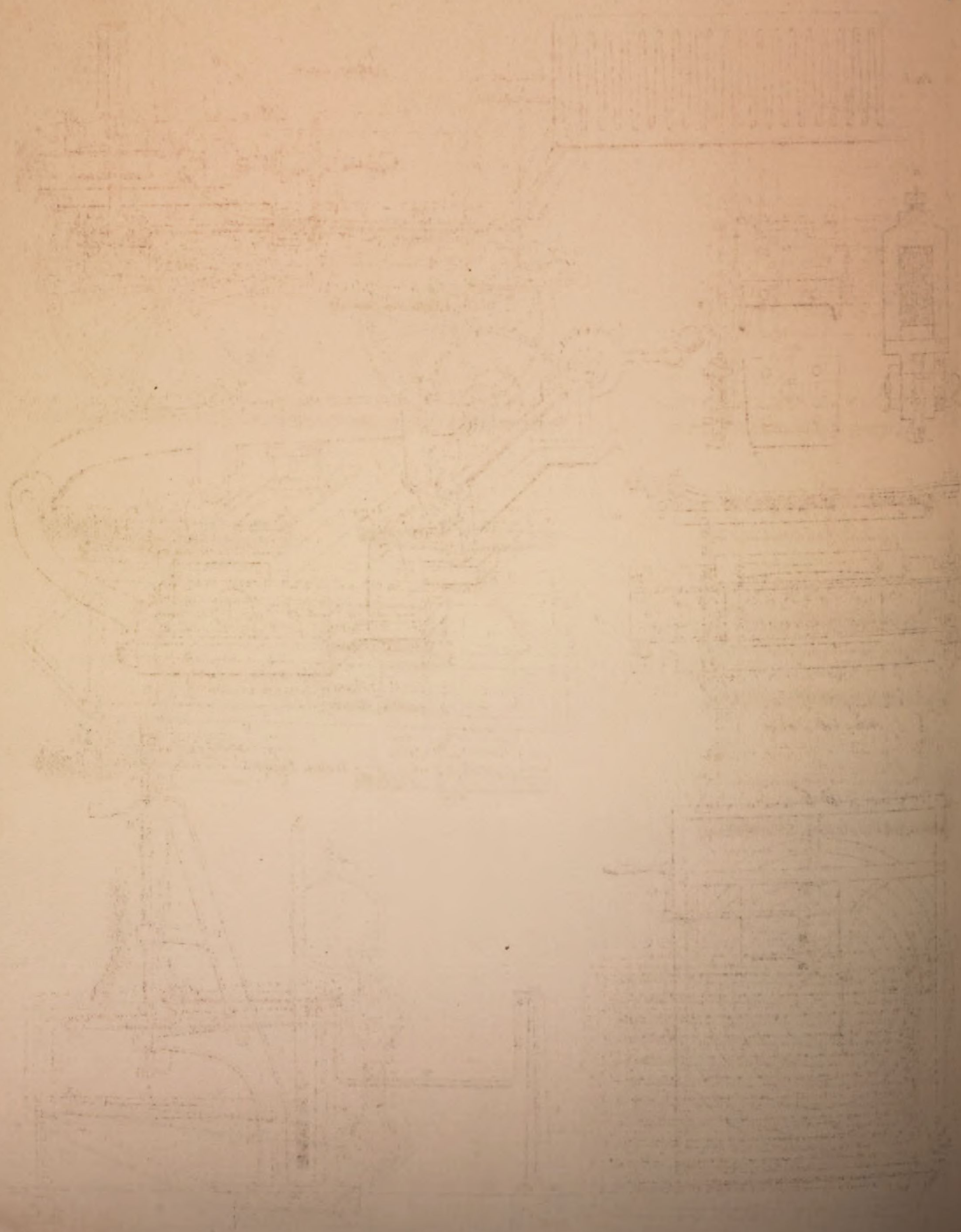
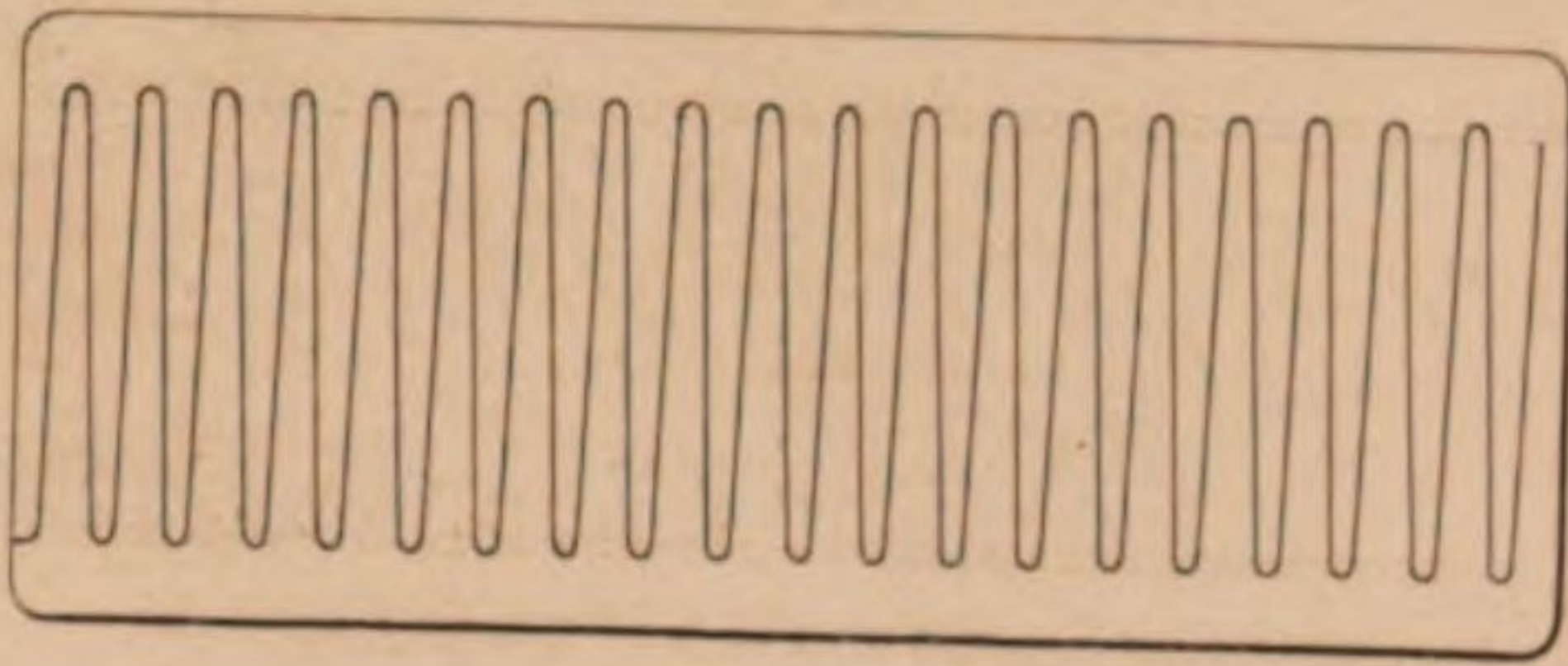
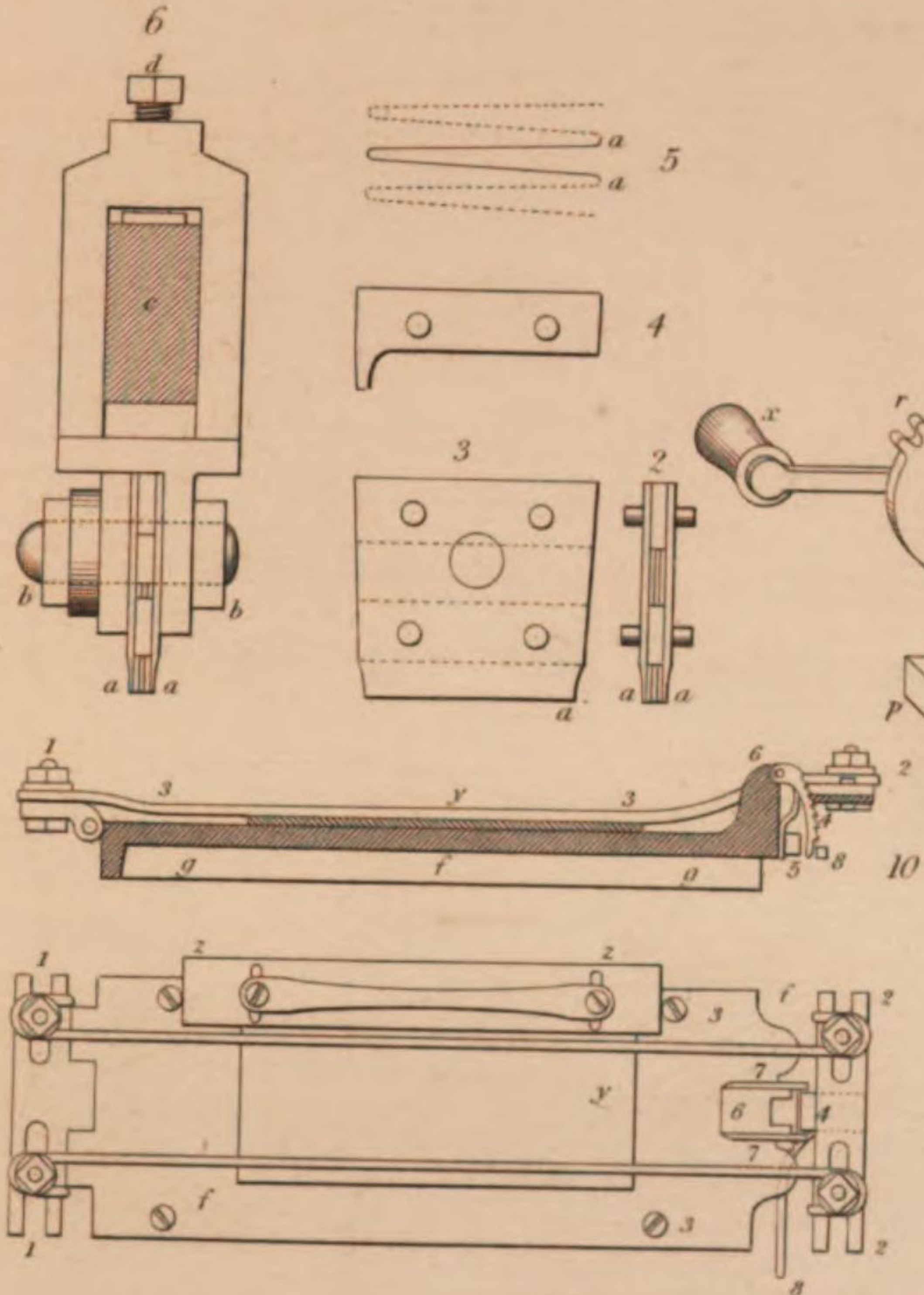
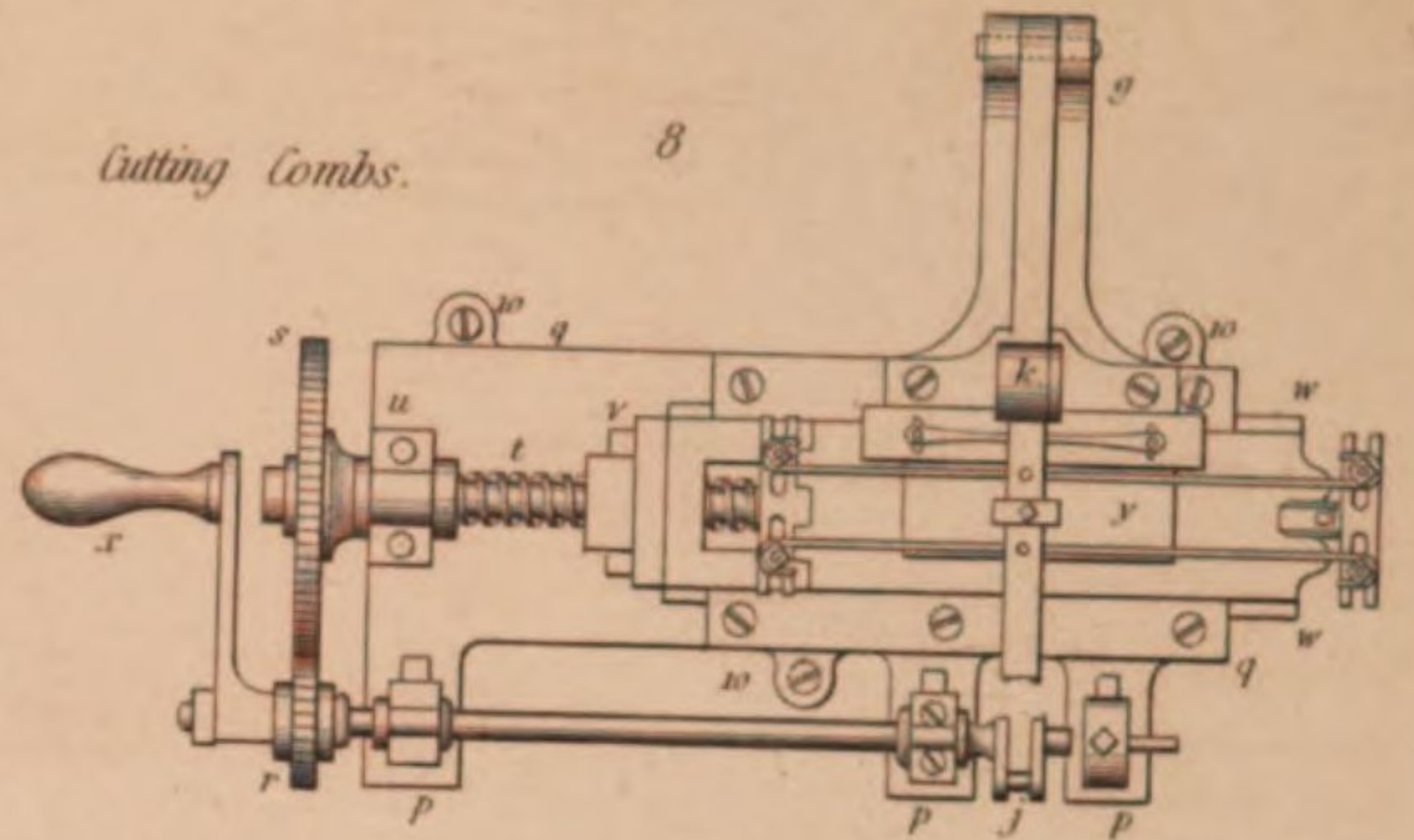


Fig. 1.



Cutting Combs.

8



Cutting teeth of Wheels.

11

Drilling Engine.

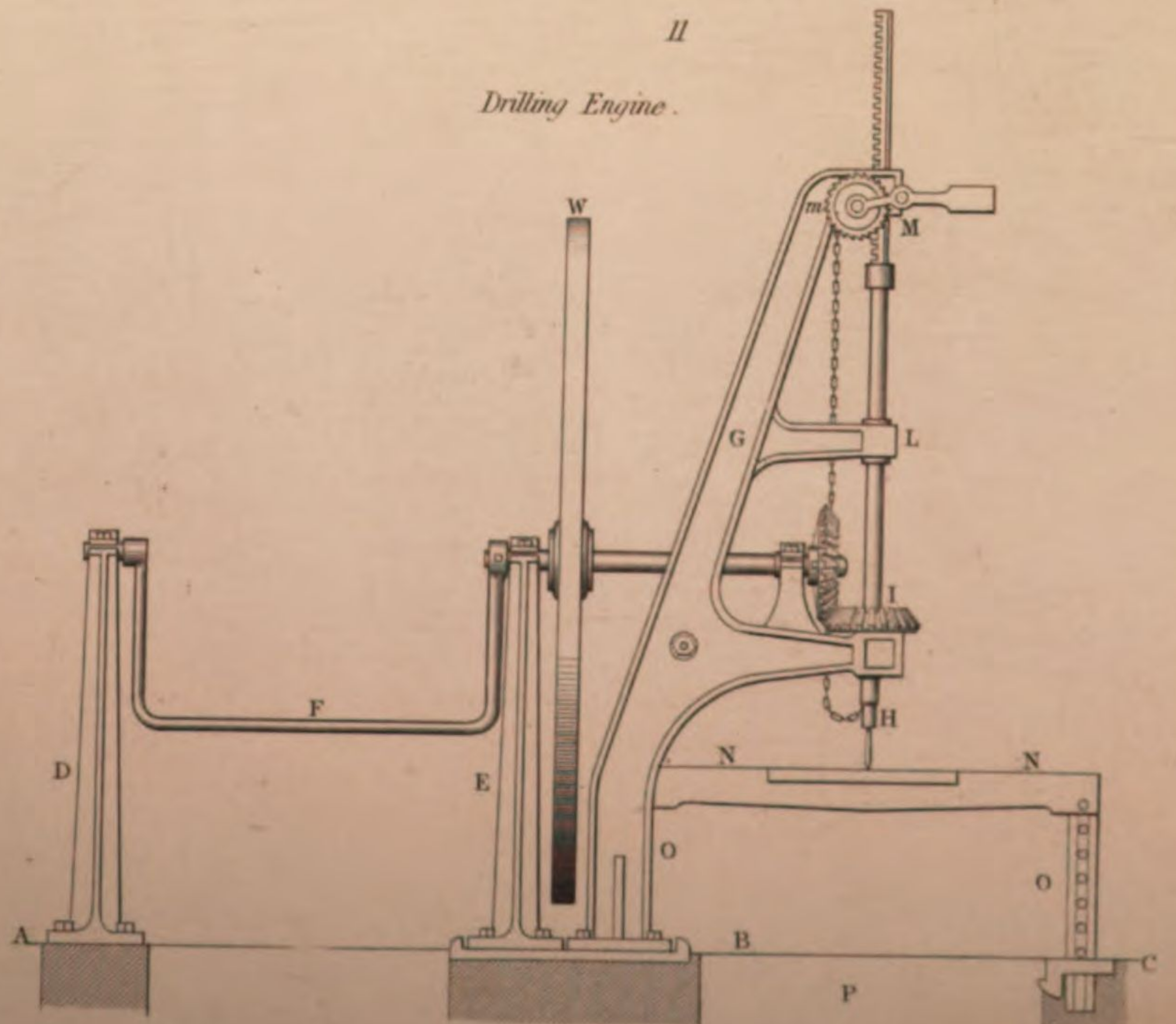
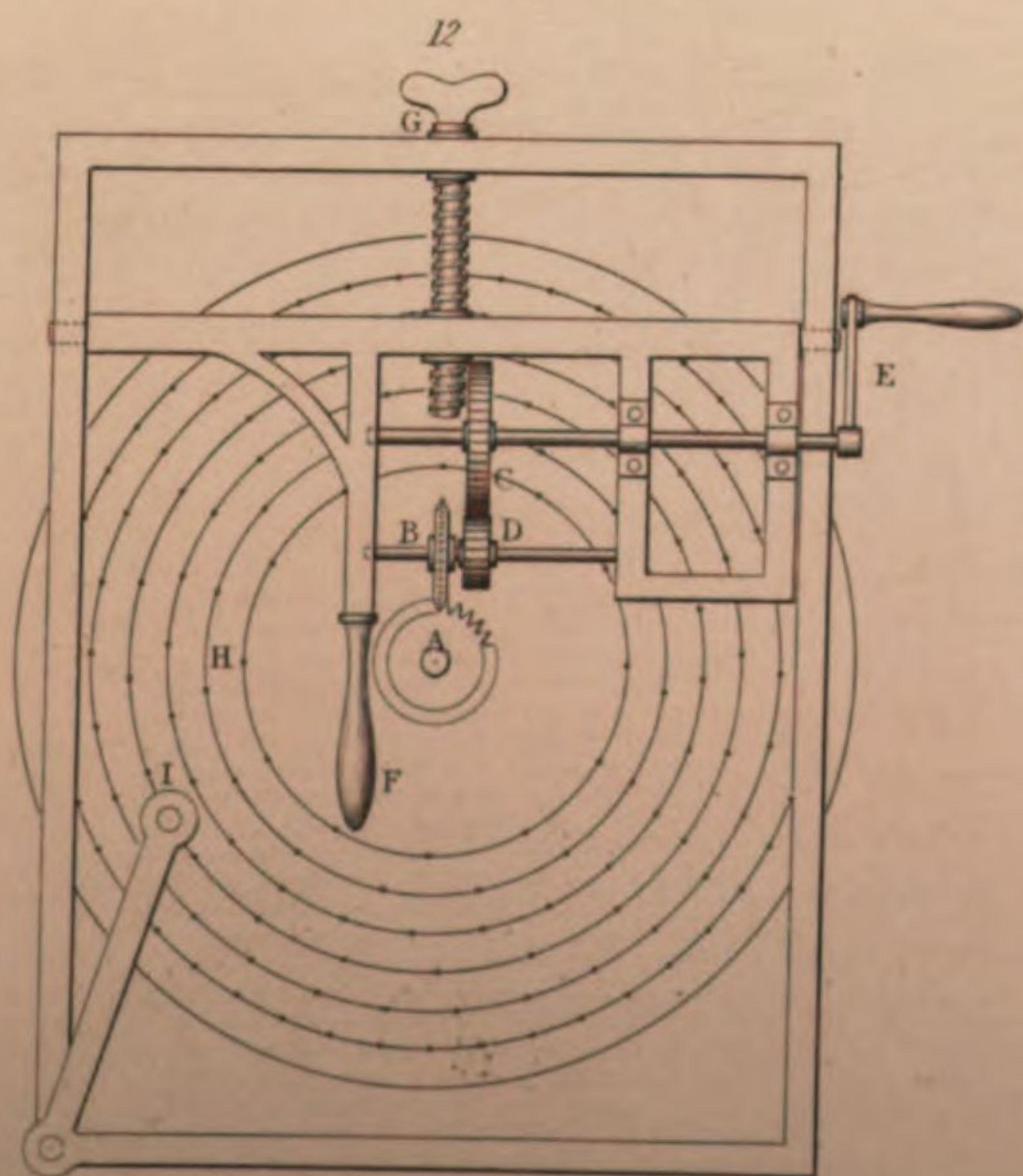


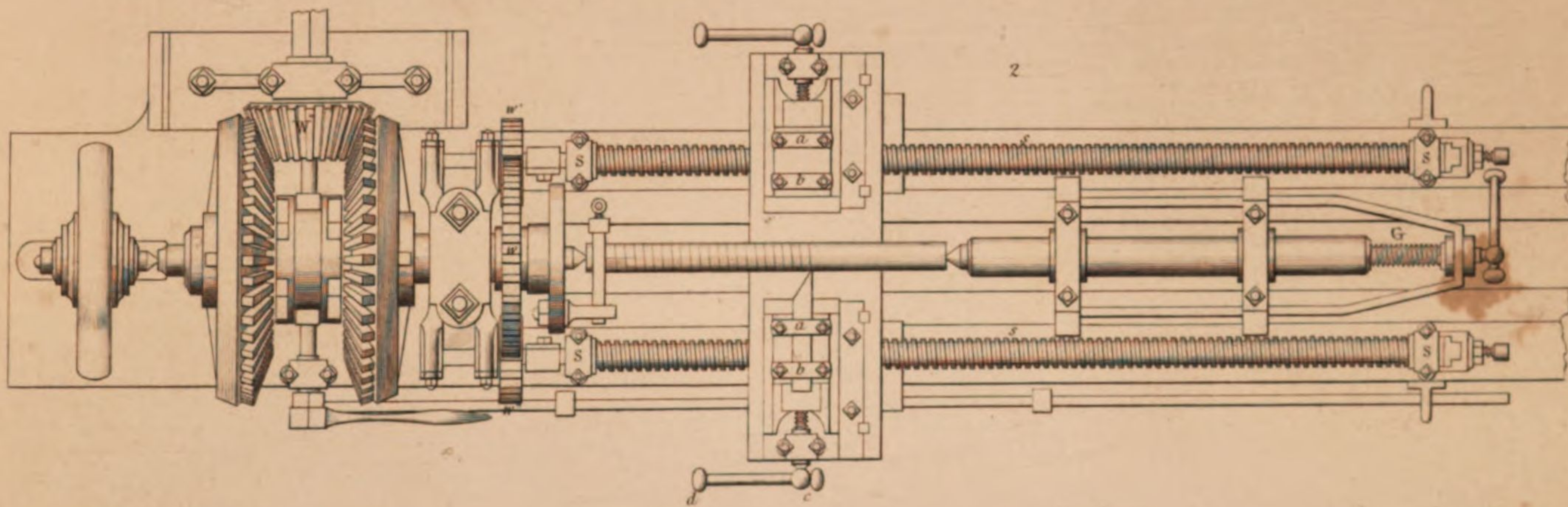
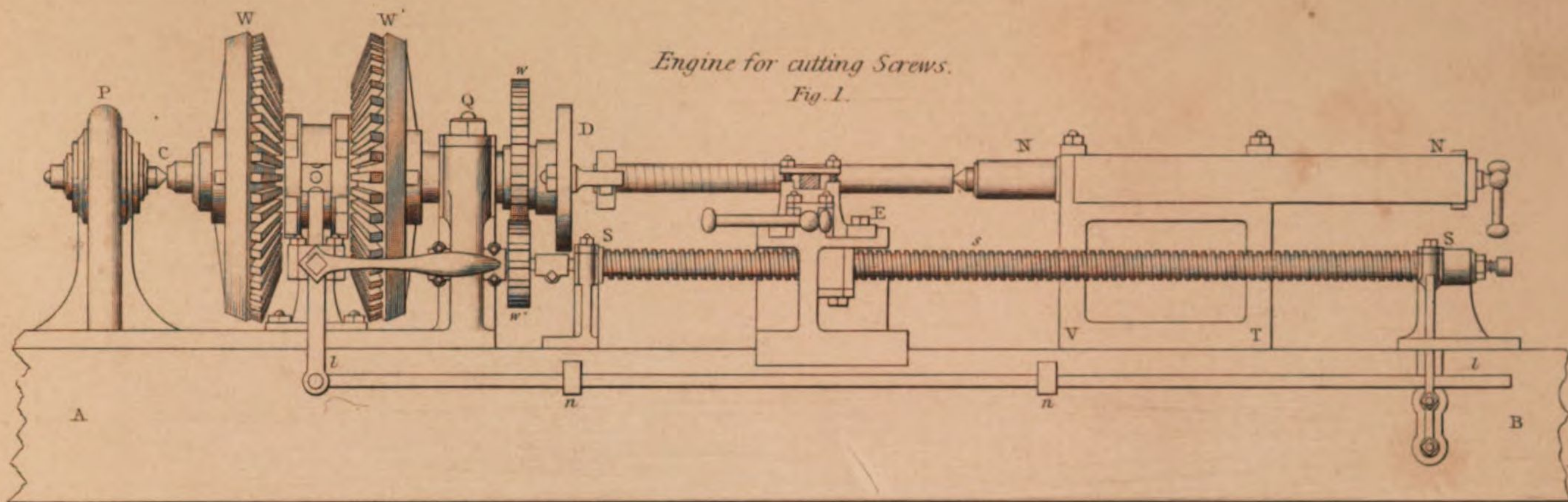
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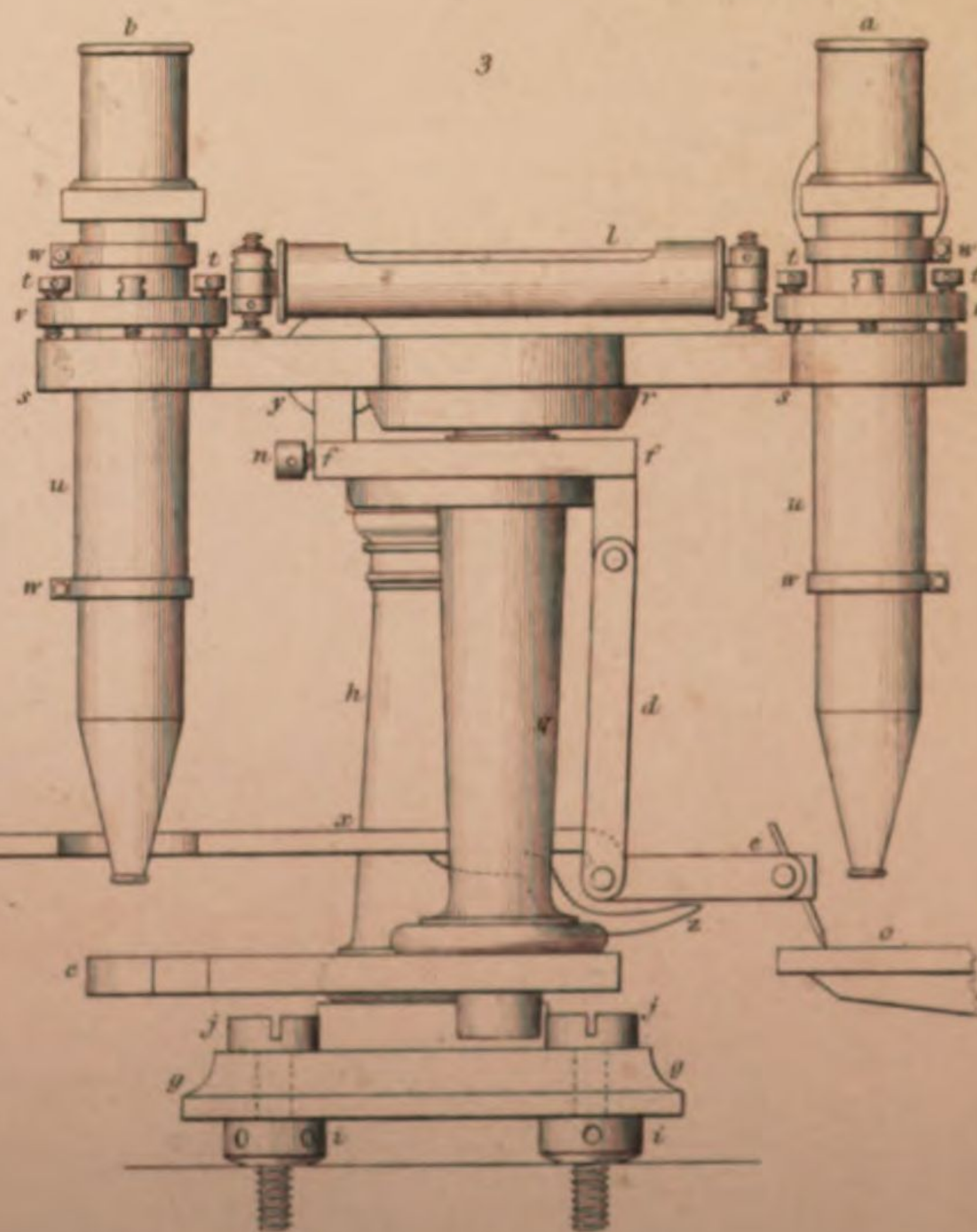
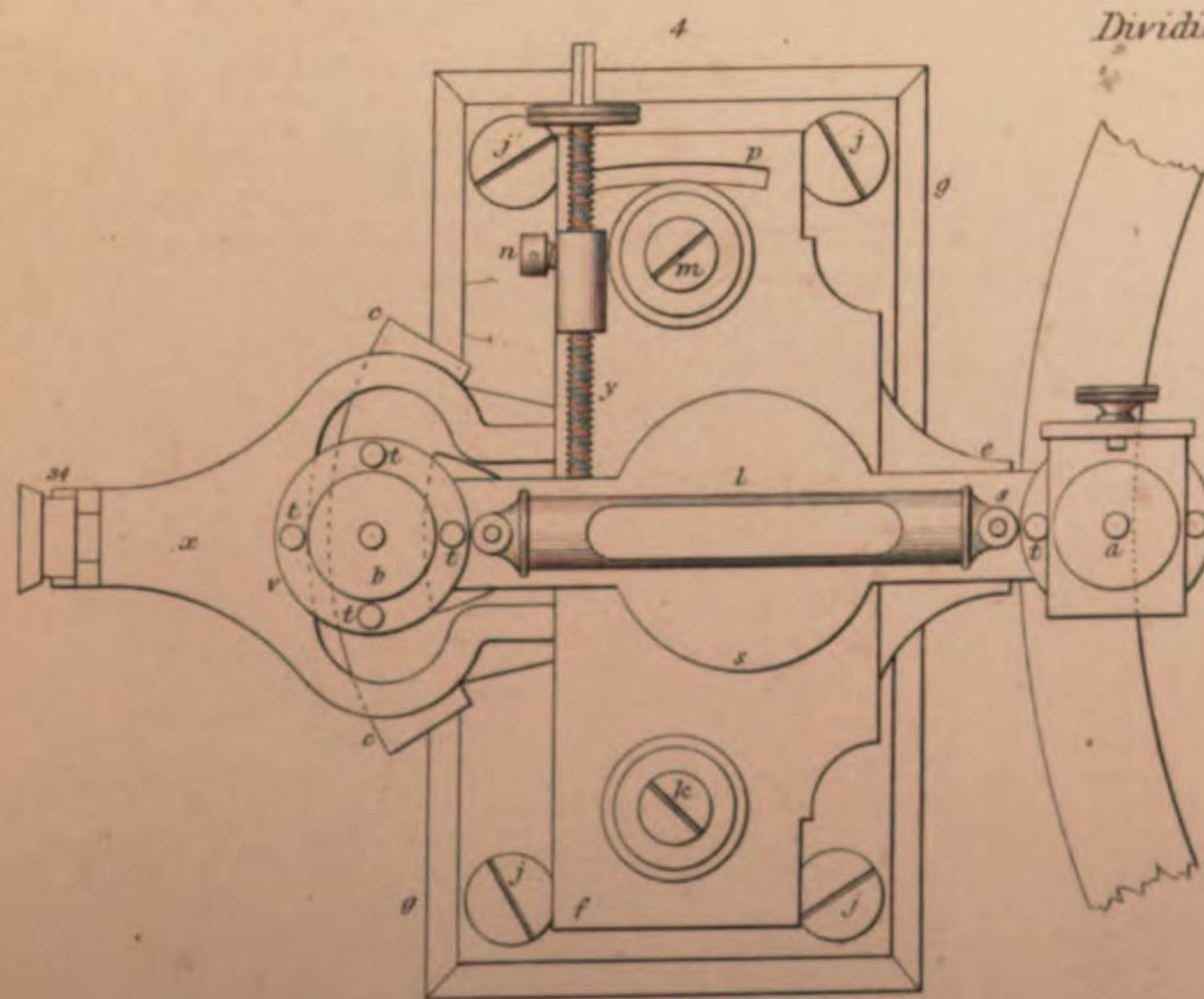
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Chapter XII	120
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Chapter XIV	140
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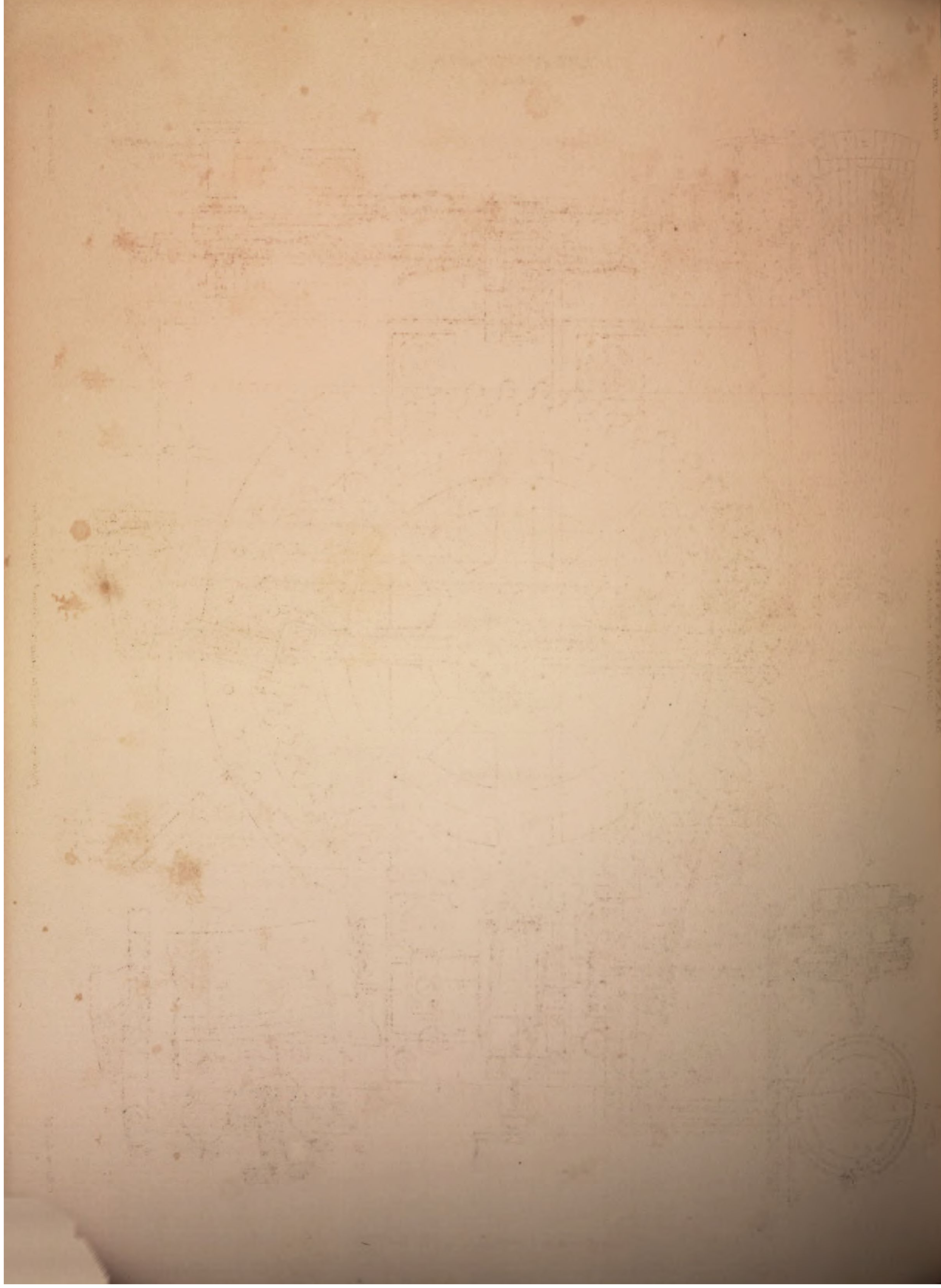
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Chapter XXIII	230
Chapter XXIV	240
Chapter XXV	250
Chapter XXVI	260
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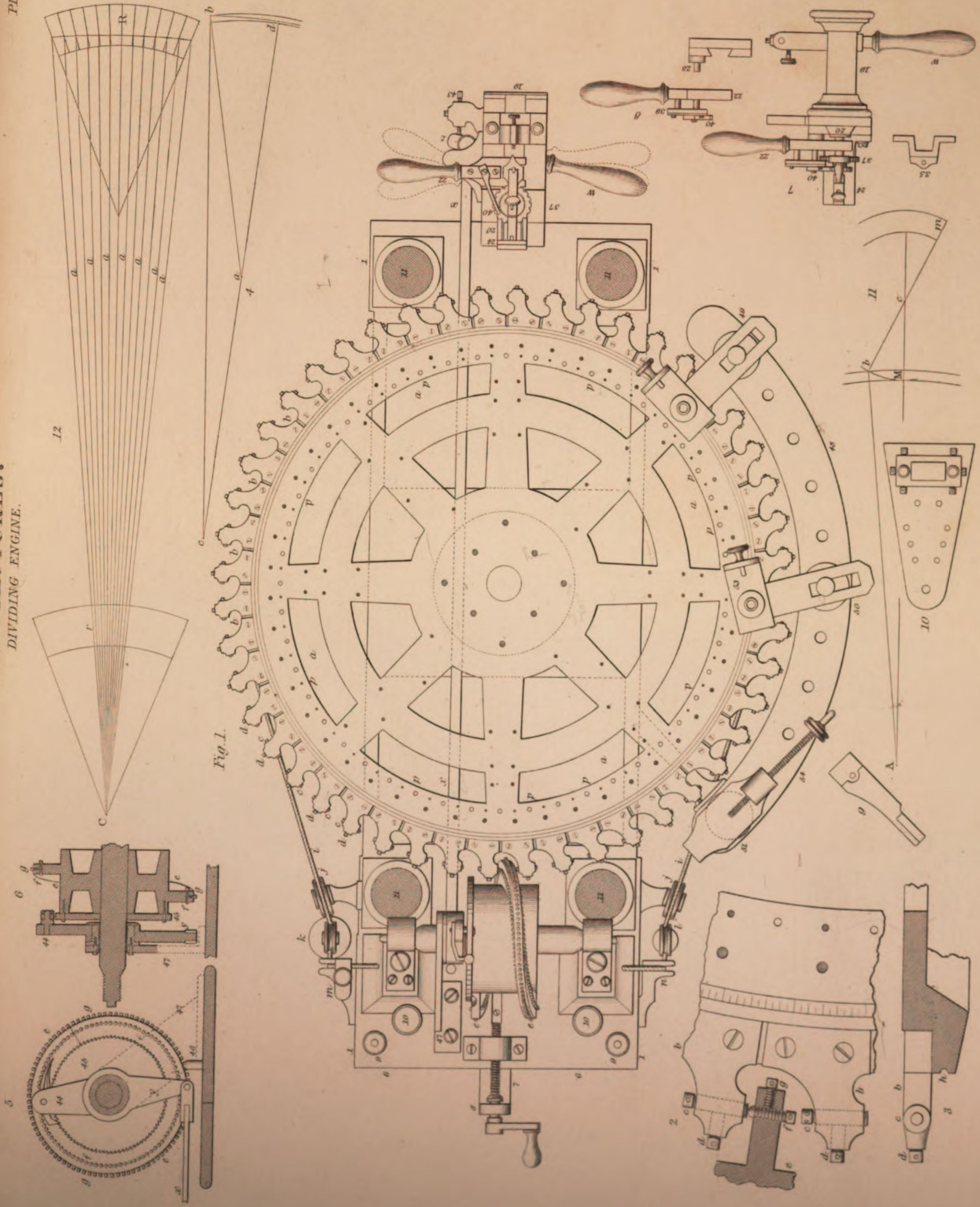
Engine for cutting Screws.
Fig. 1.



Dividing Engine.







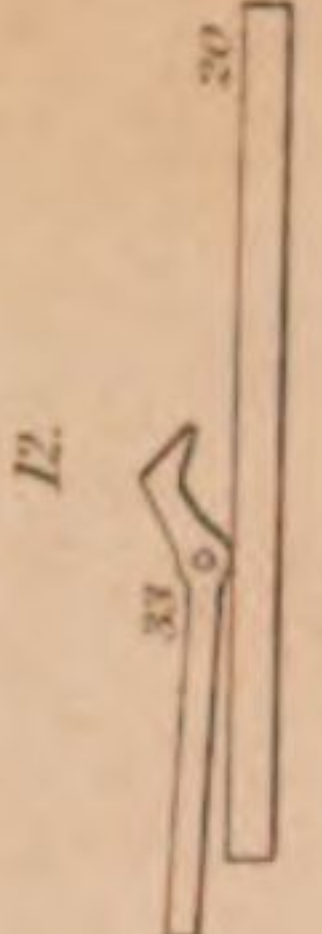
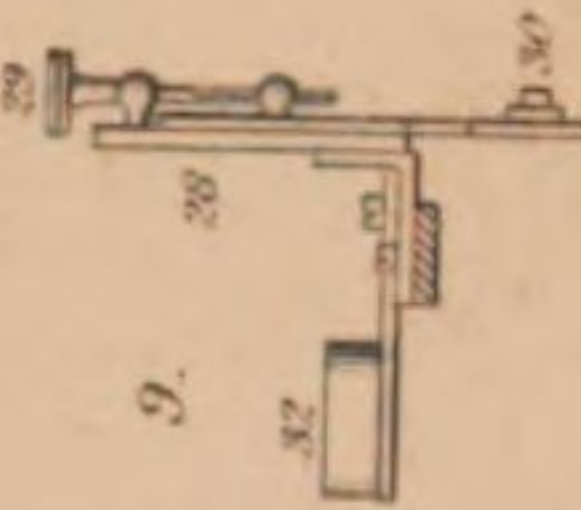
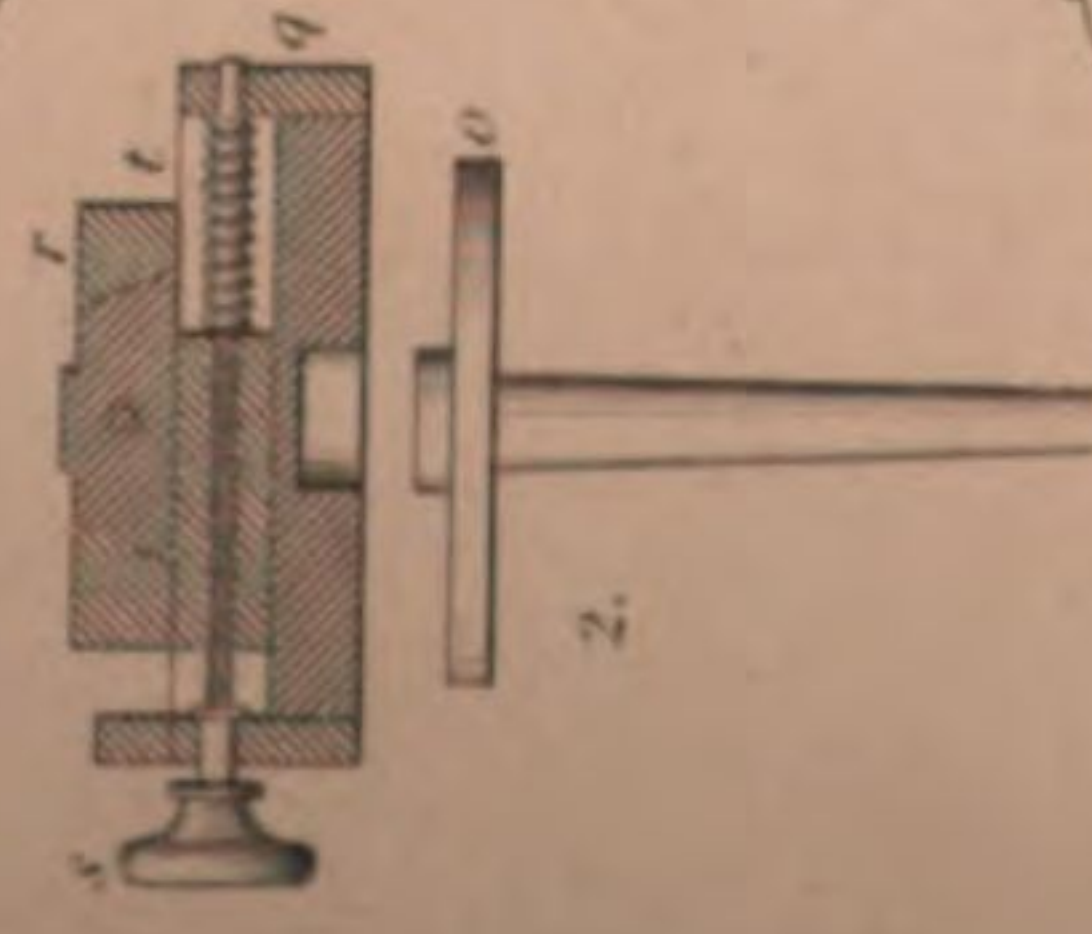
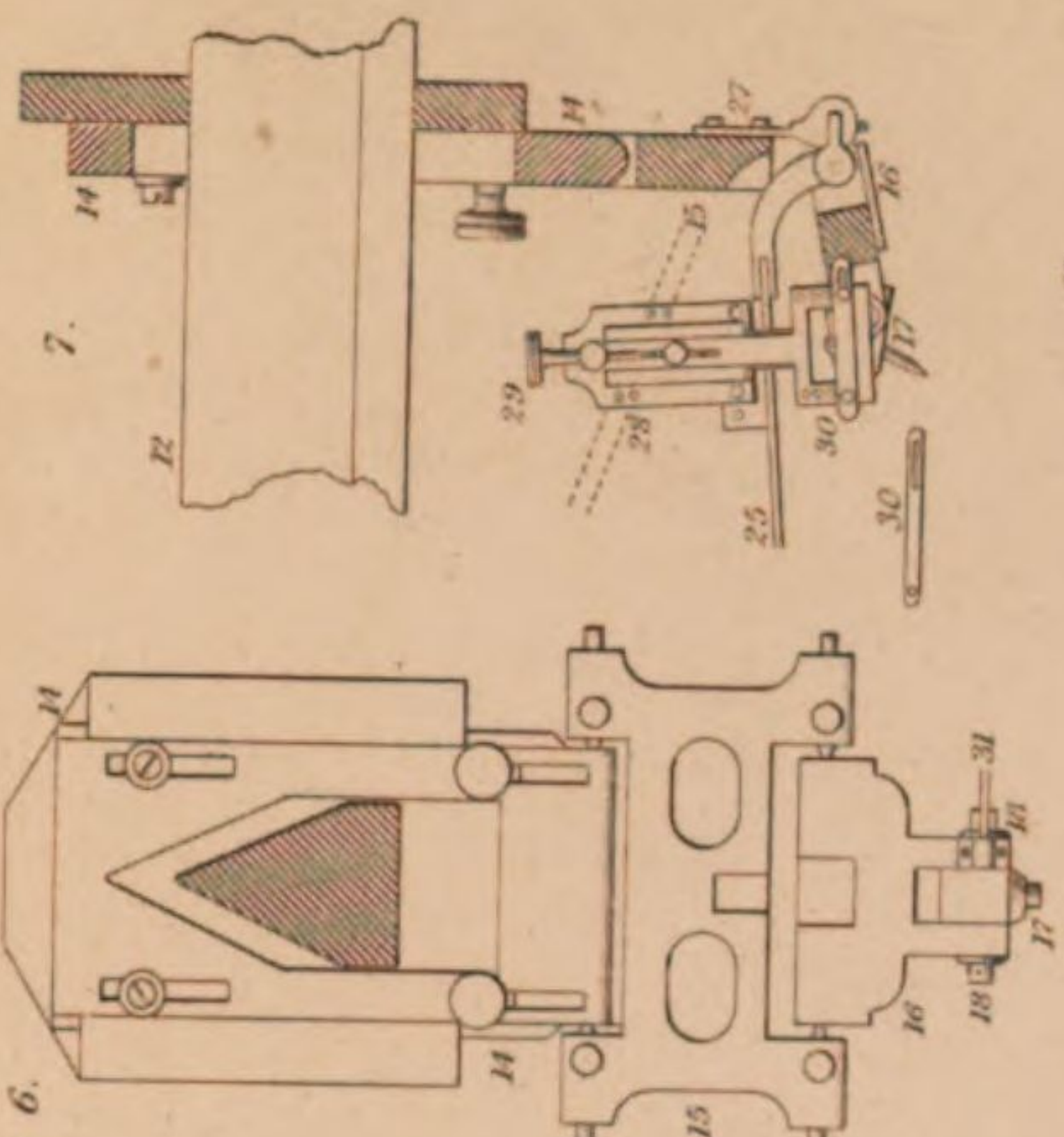
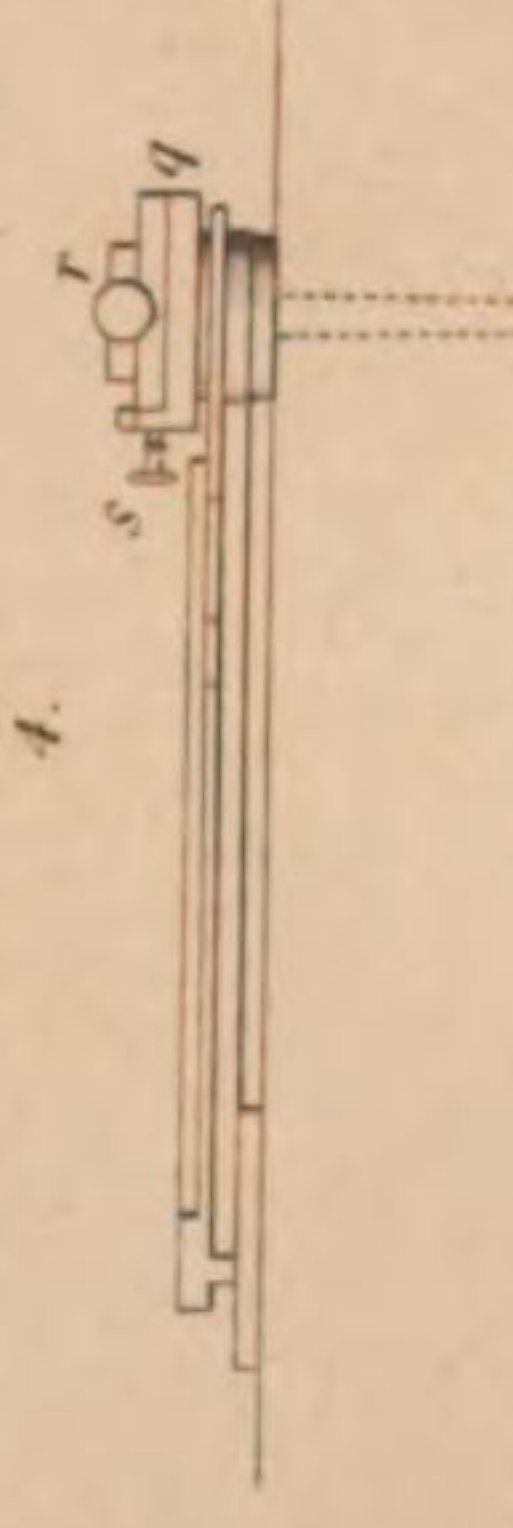
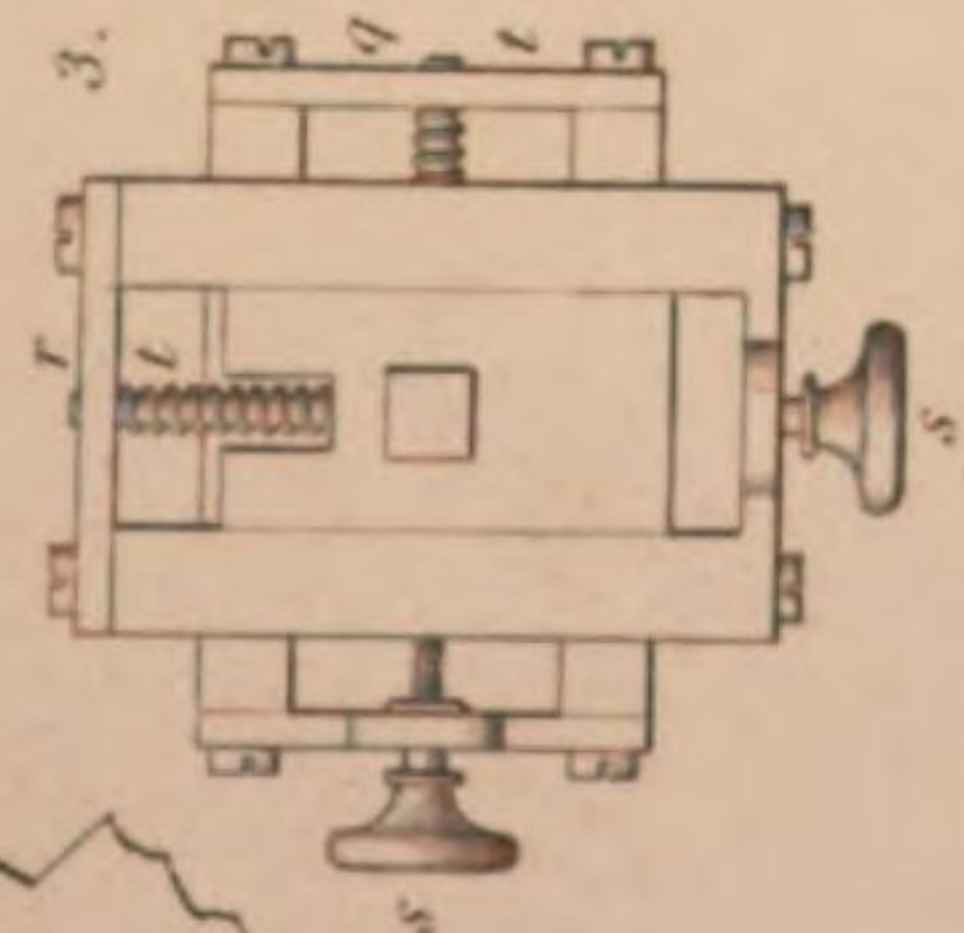
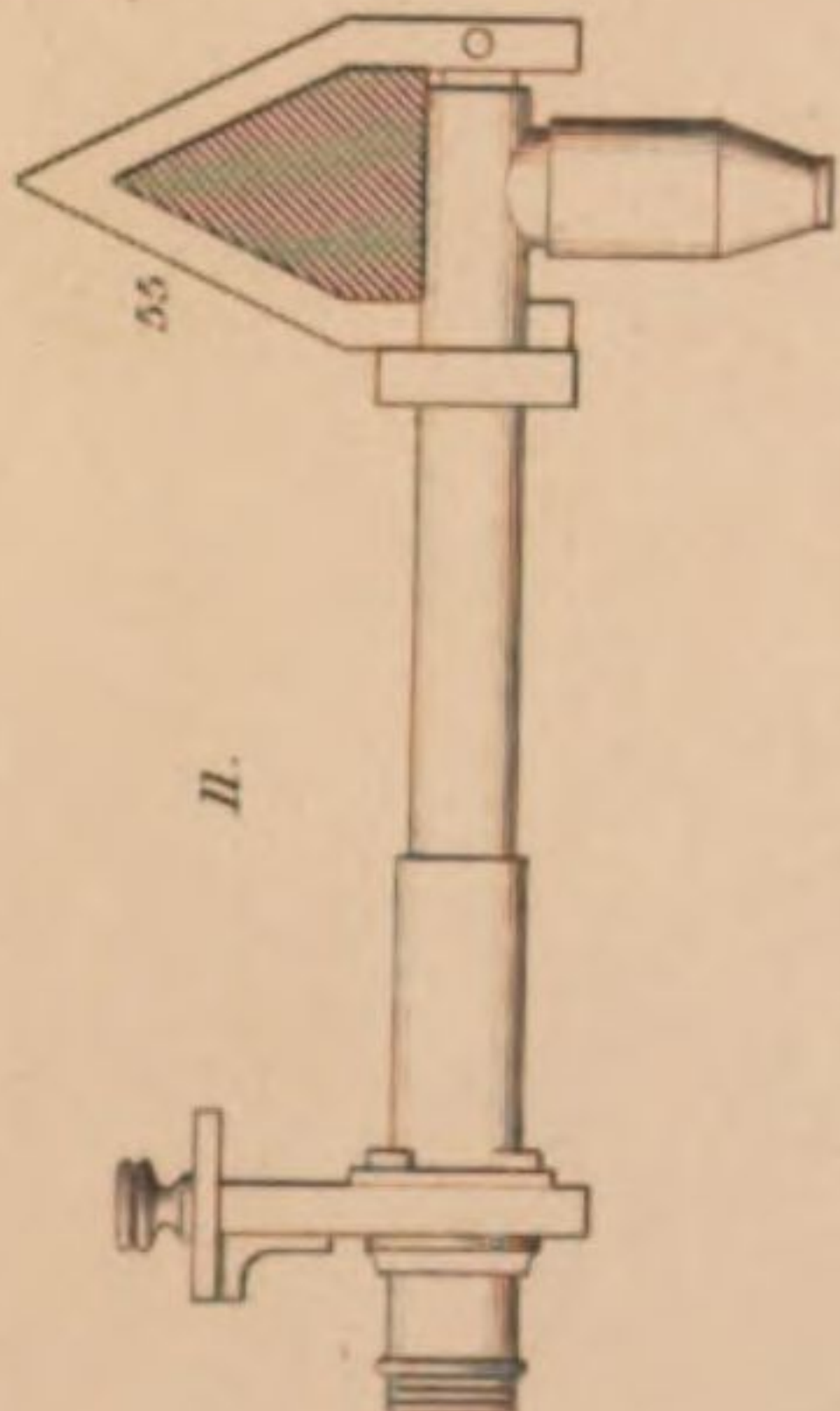
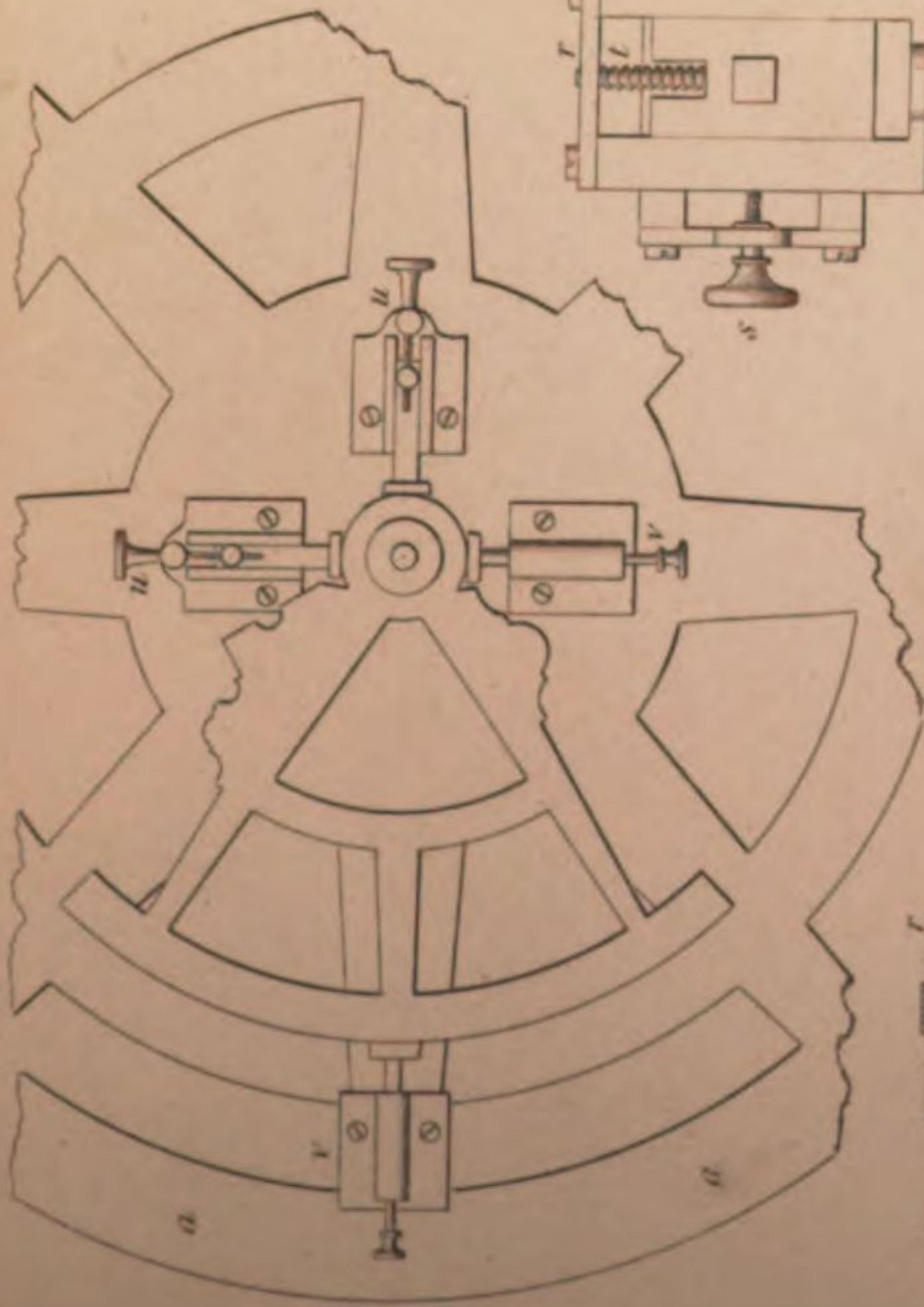
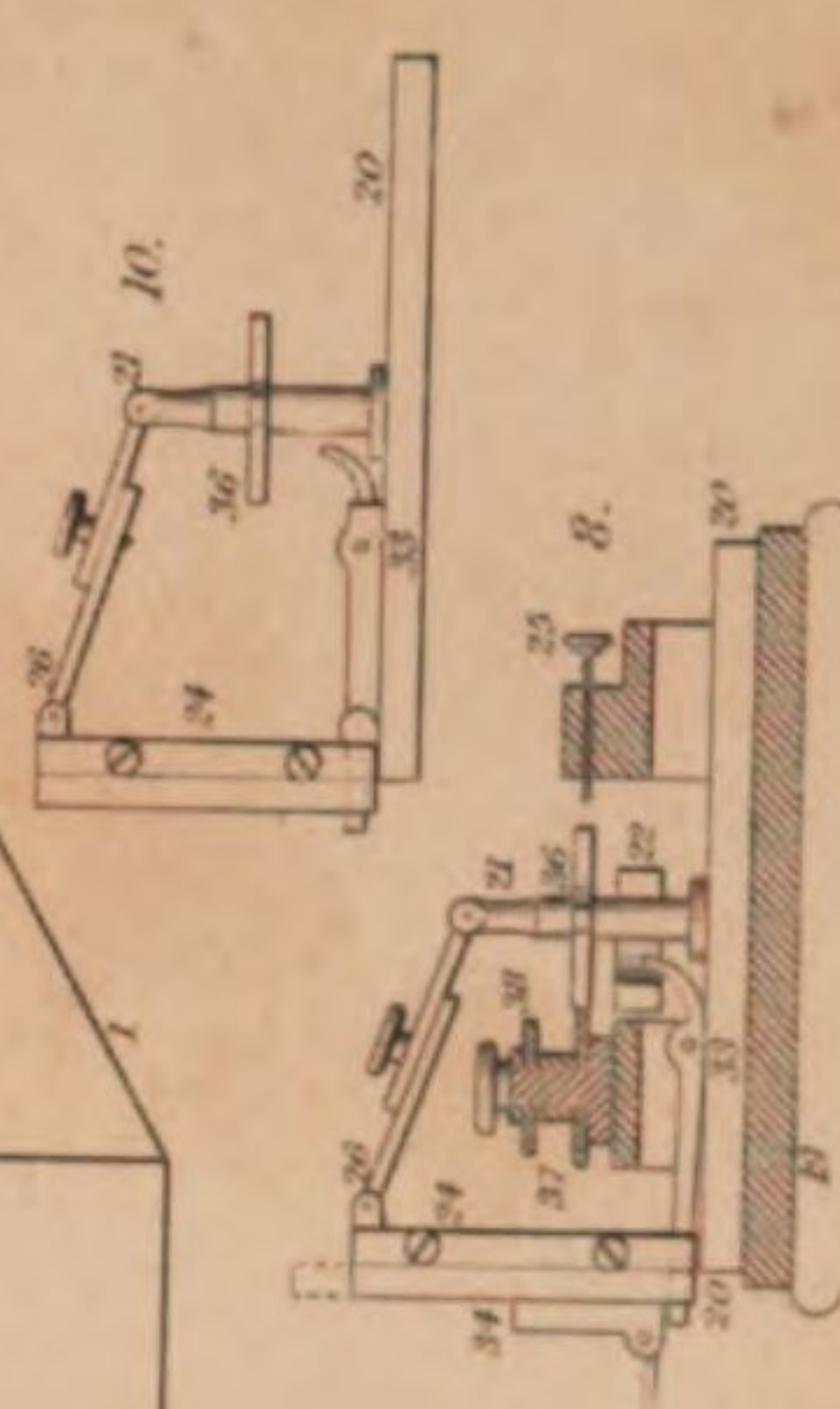
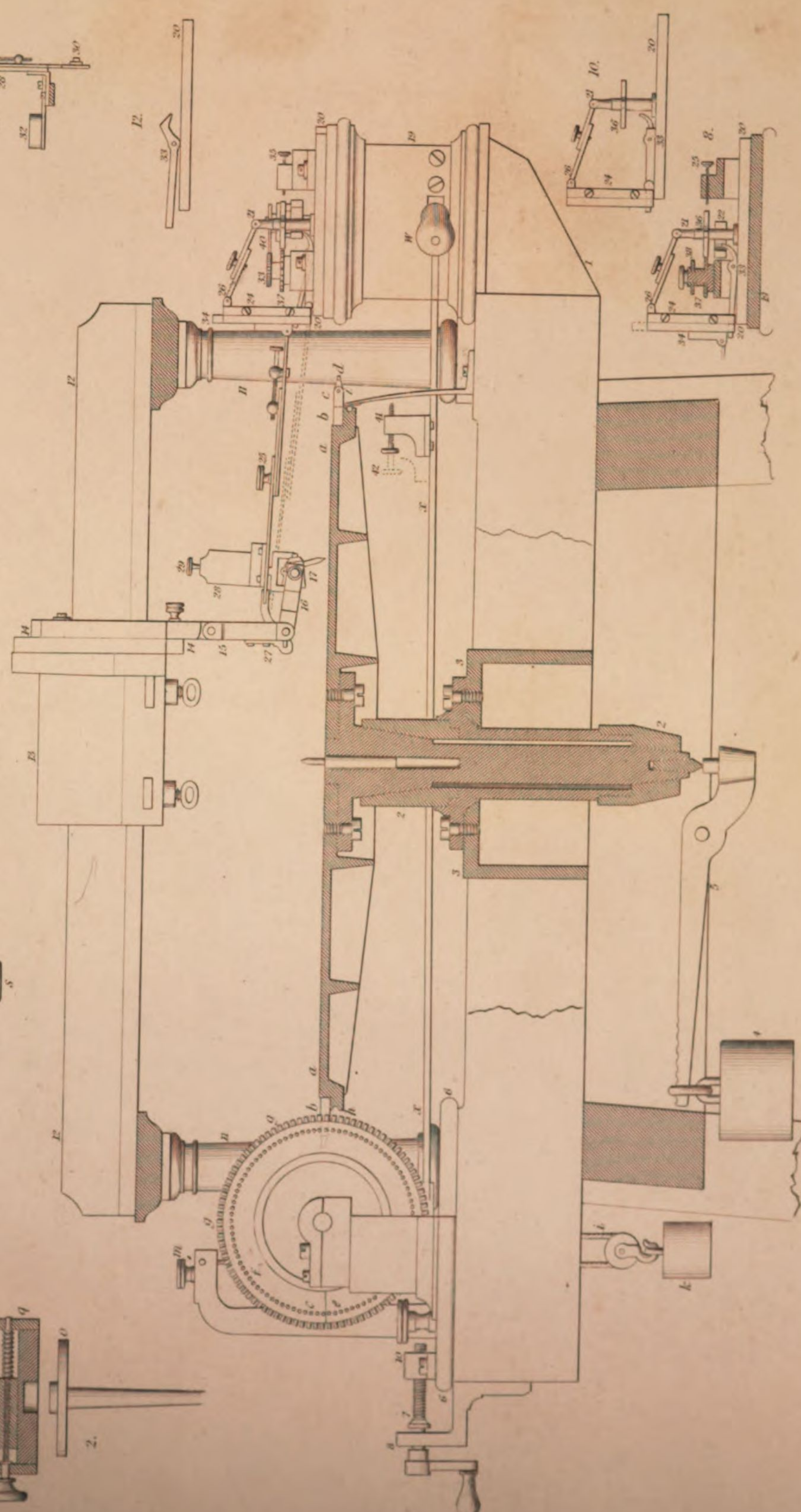
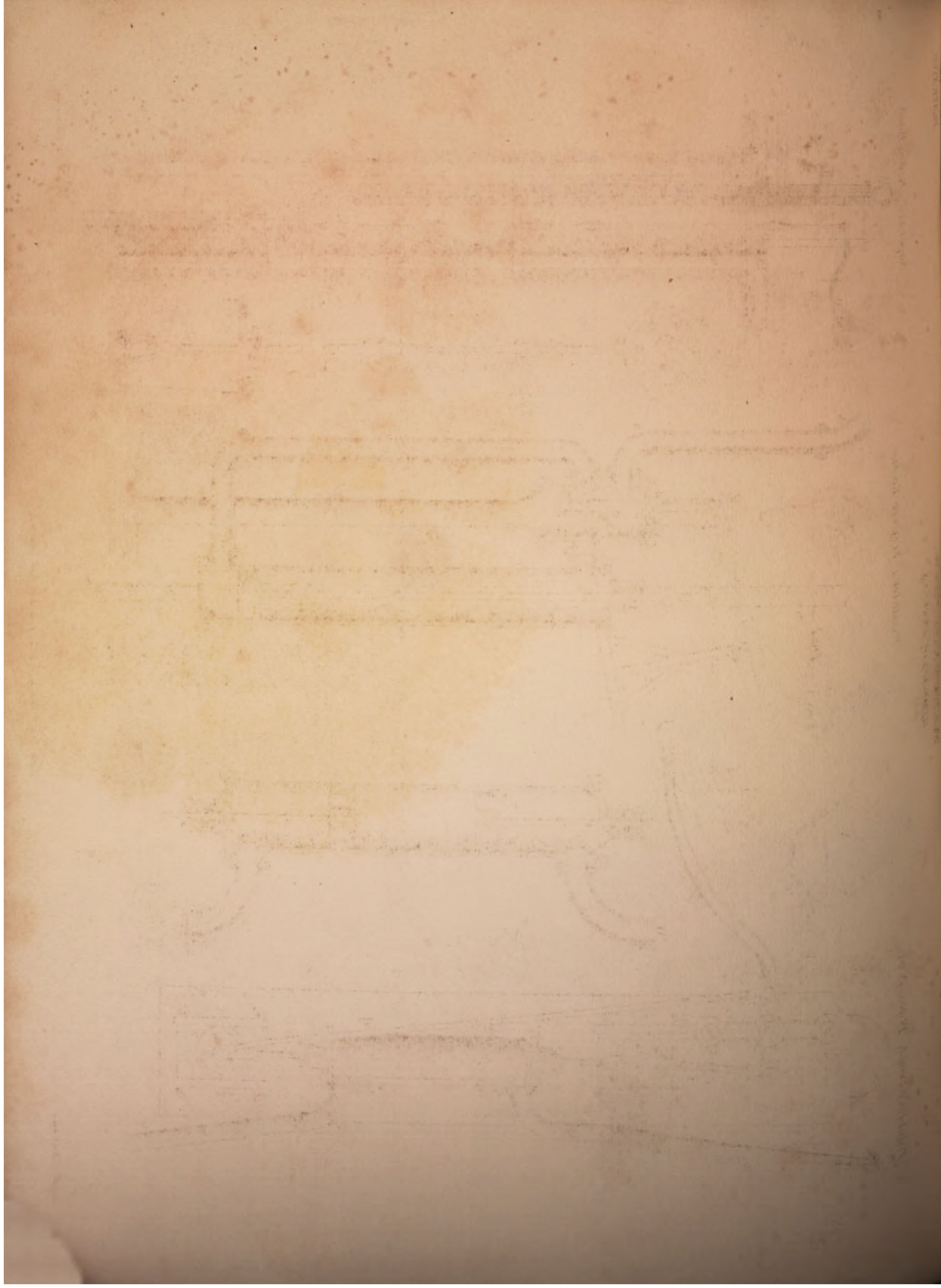
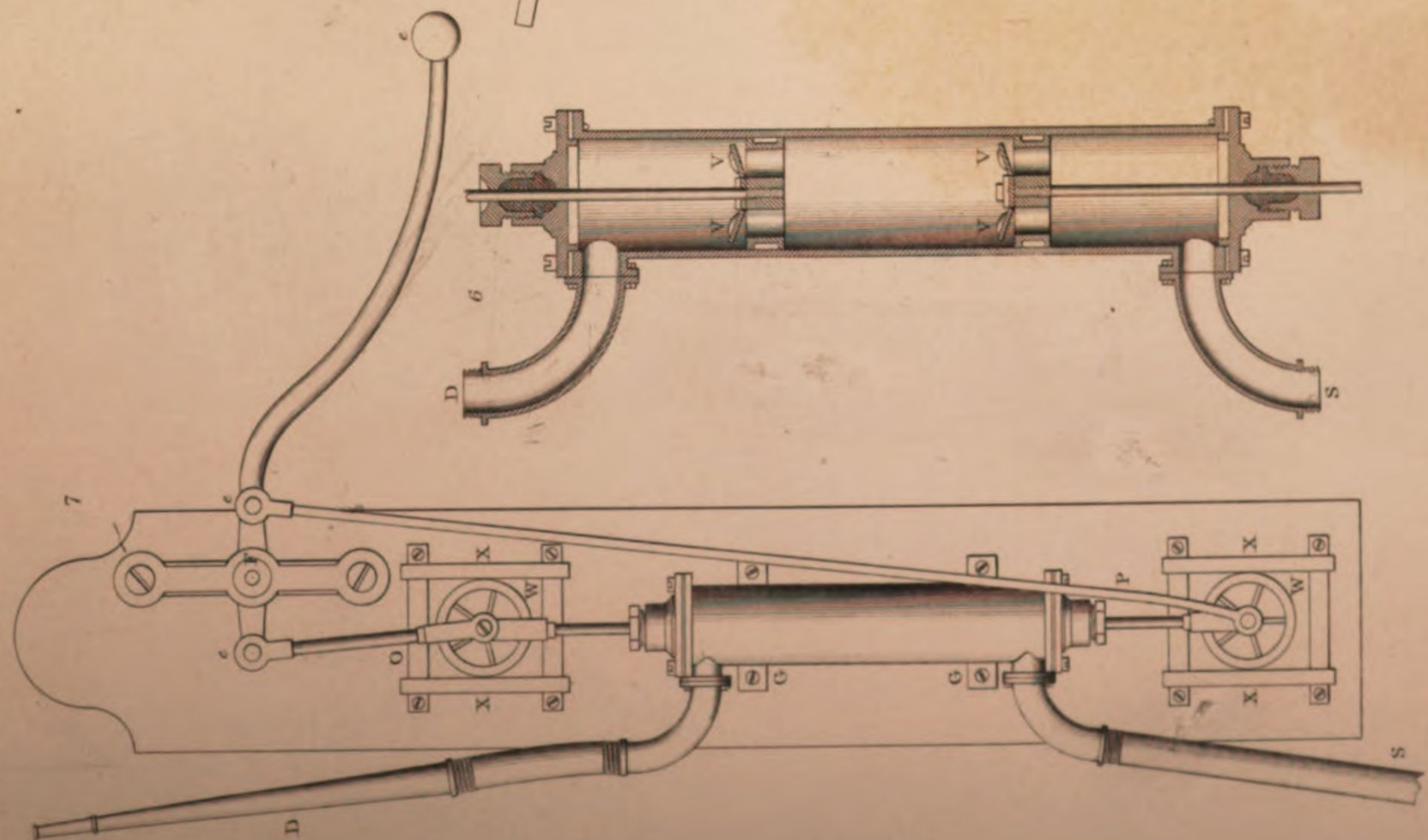


Fig. 1.



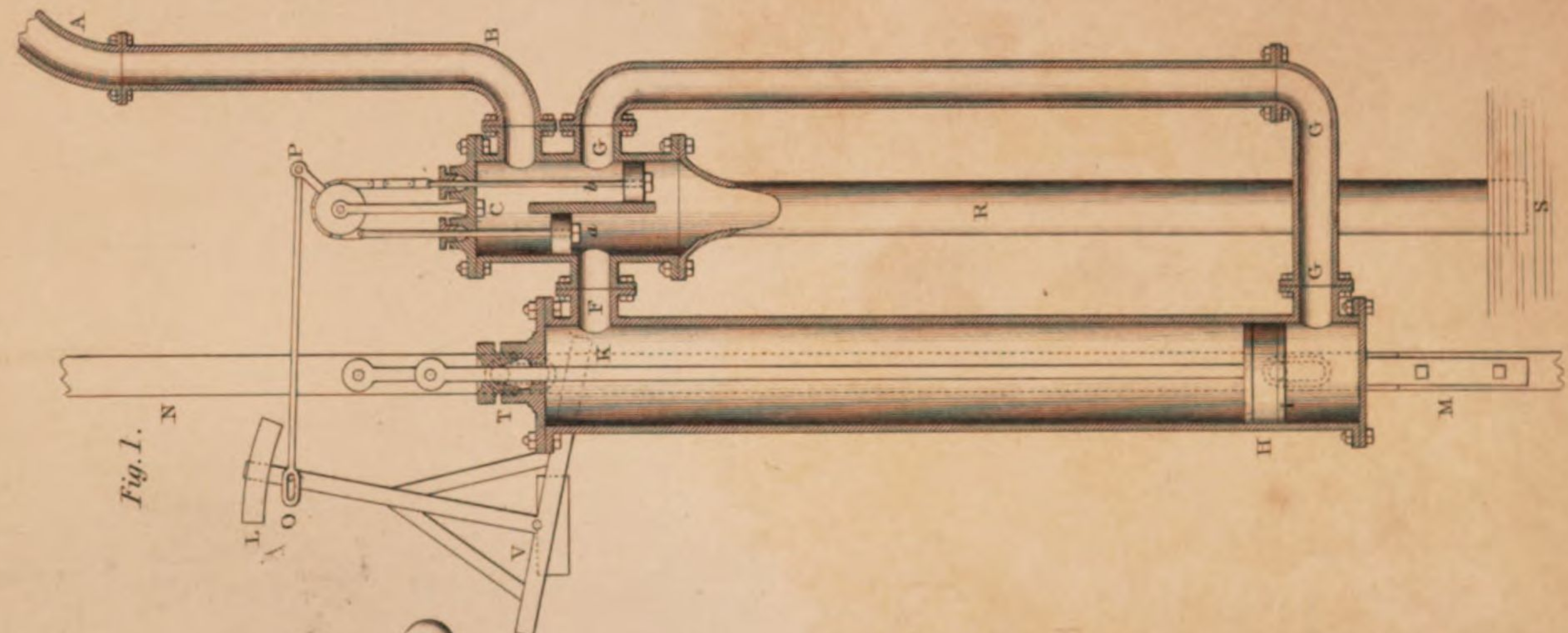


Franklin's Double Piston Pump.



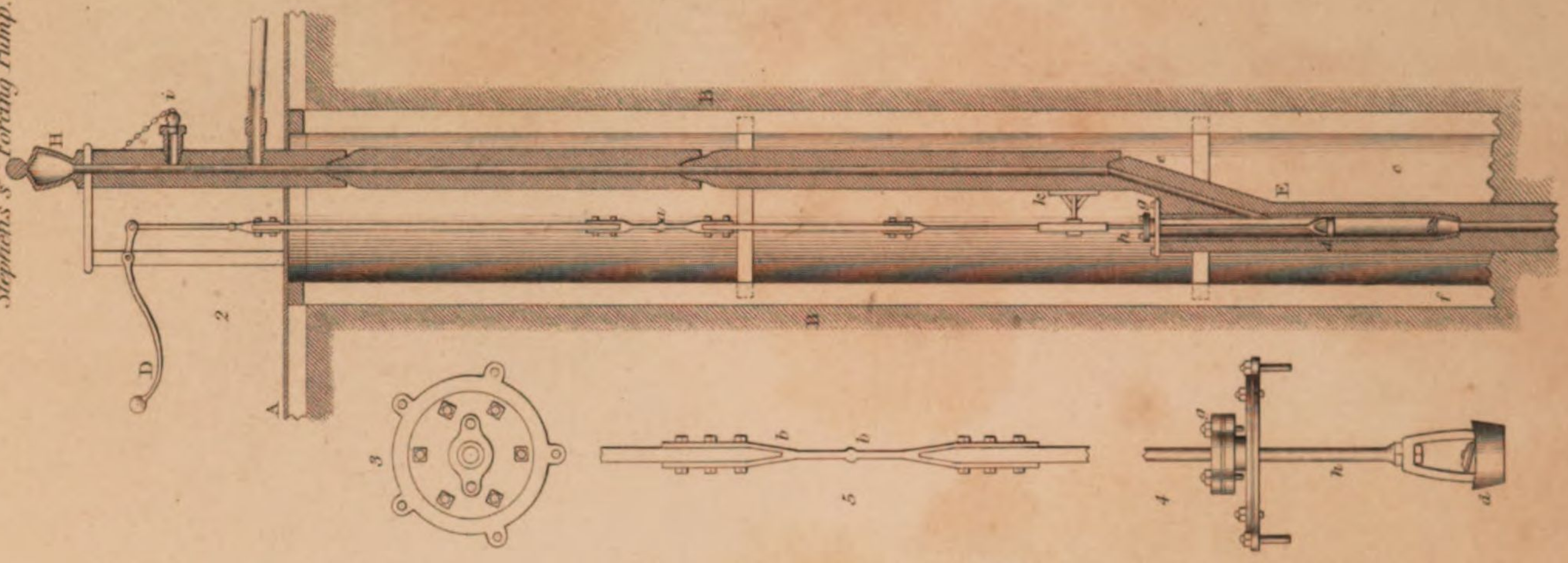
P. Barber Junr. delin.

Trevethick's Pressure Engine.



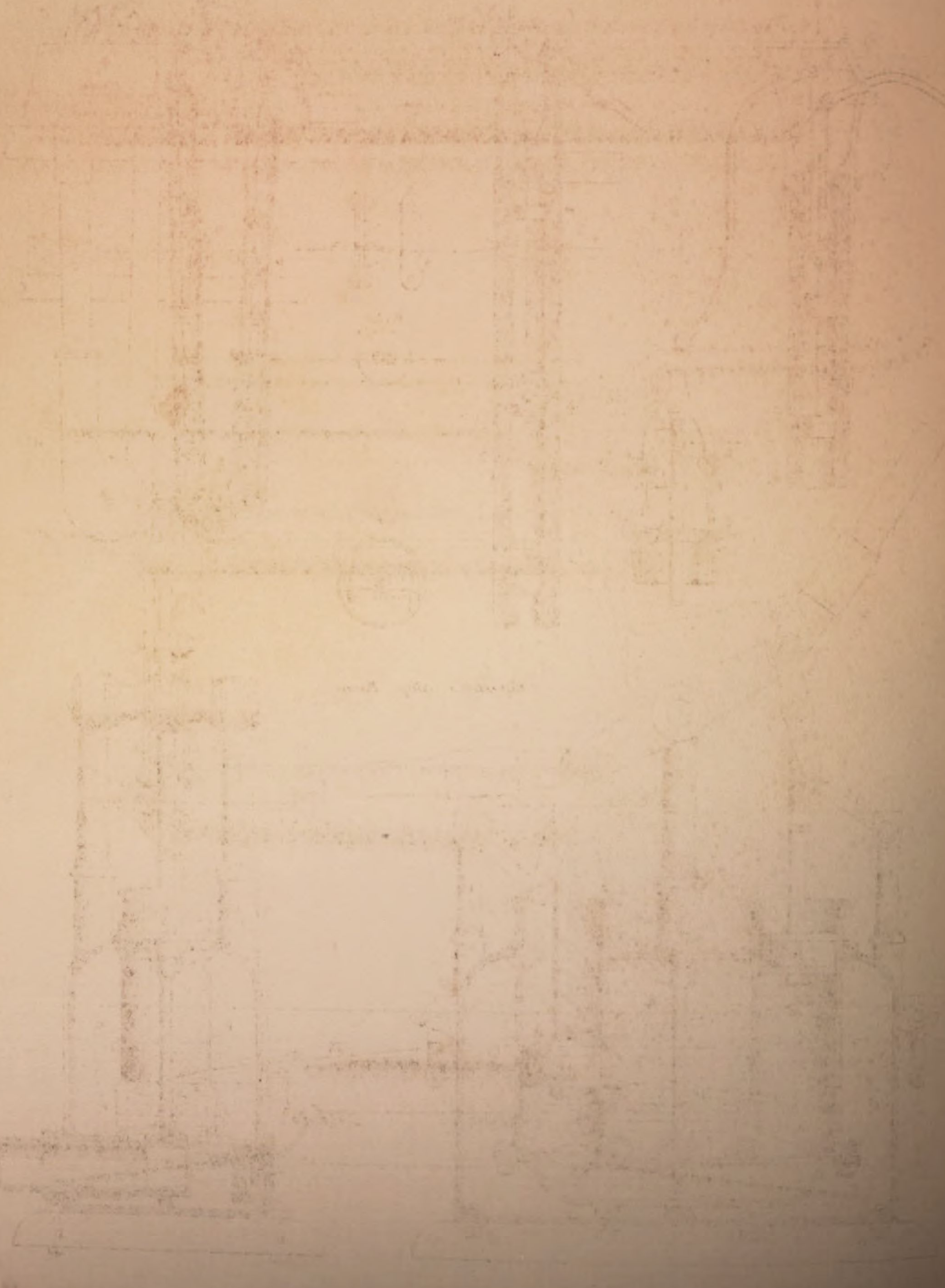
Published Sept. 1834, by Baldwin & Cradock, Paternoster Row.

Stephens's Forcing Pump.



J. W. Lowry sculp.

THESE PLATES ARE THE PROPERTY OF THE NATIONAL MUSEUM, WASHINGTON, D. C.



MANUFACTURES.

HYDRAULIC ENGINES.

PLATE XXVIII

Hedderwick's Double Piston Pump.

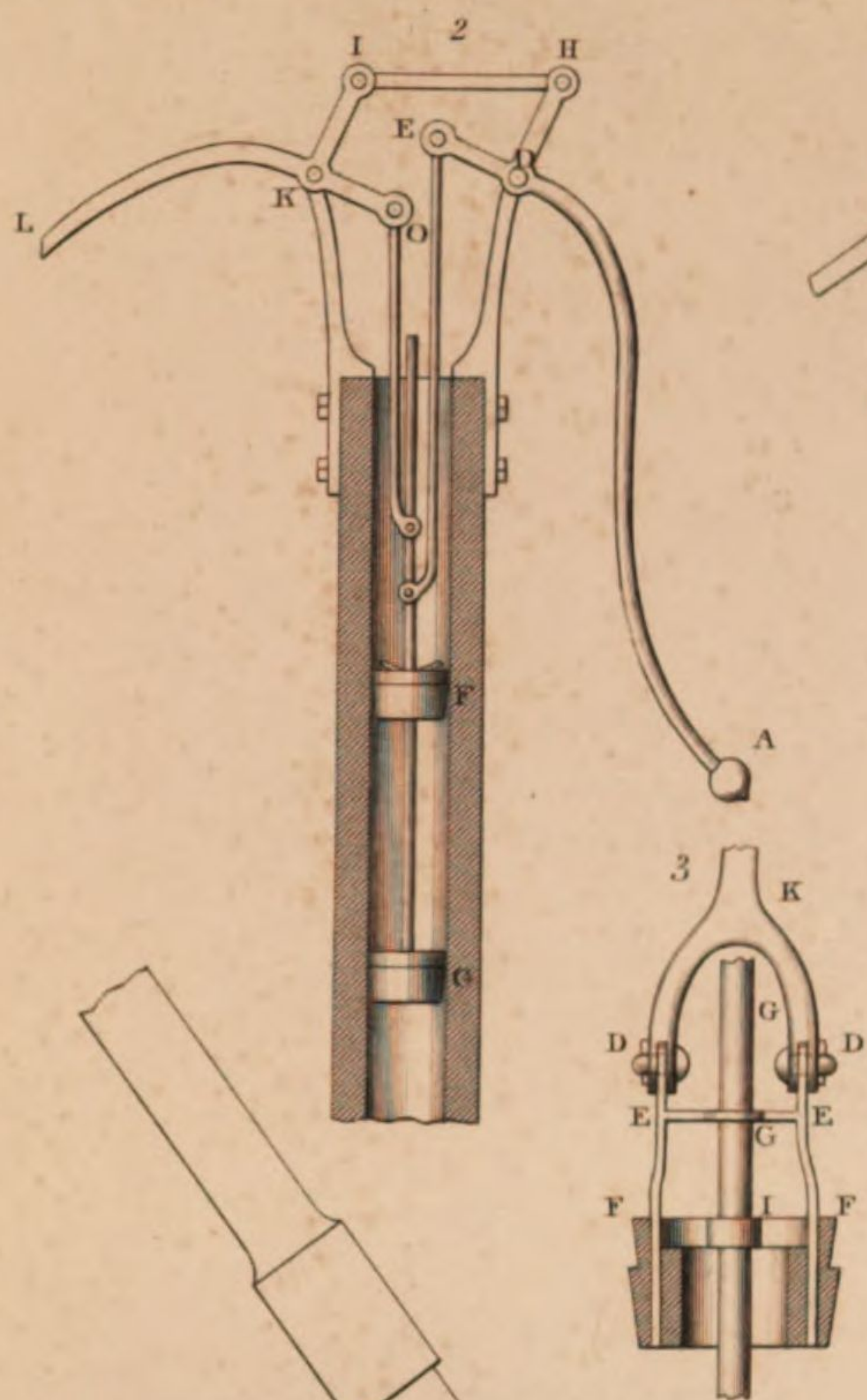
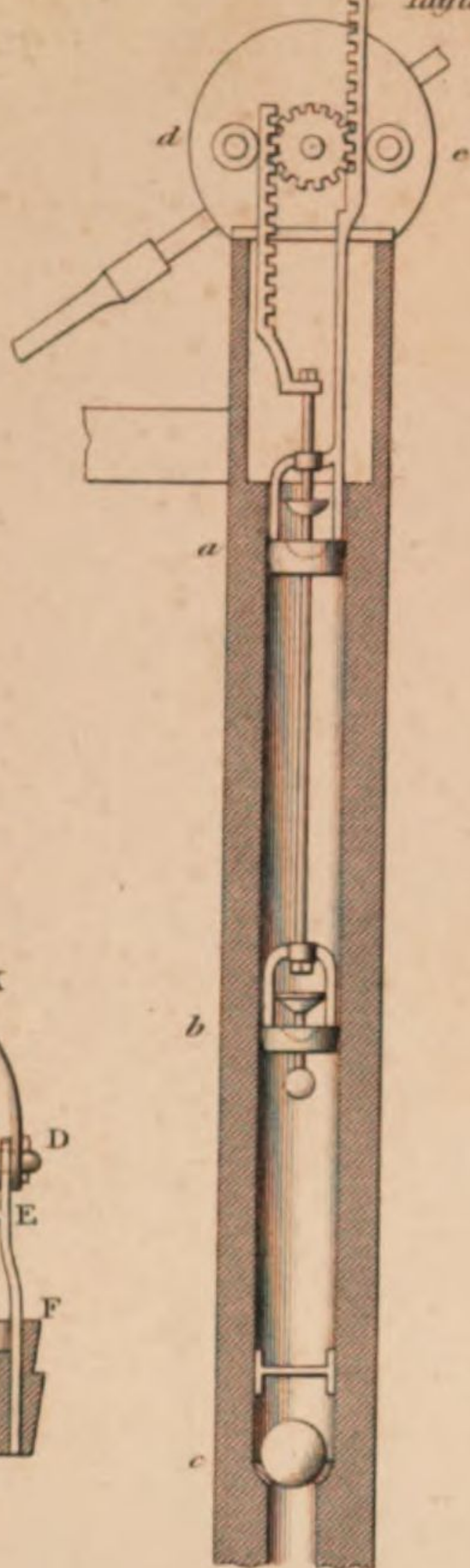
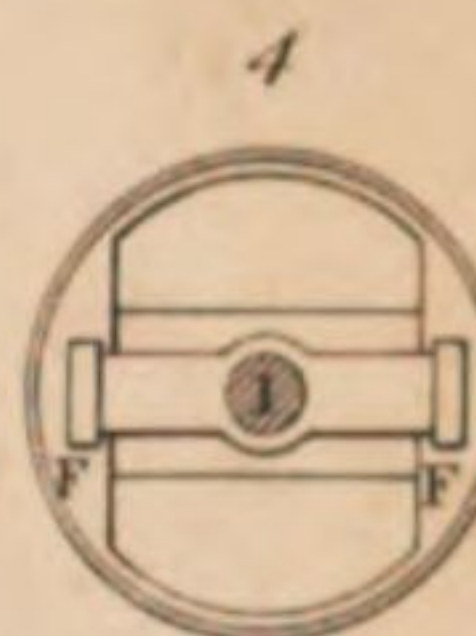
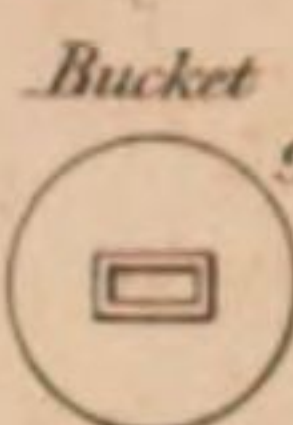
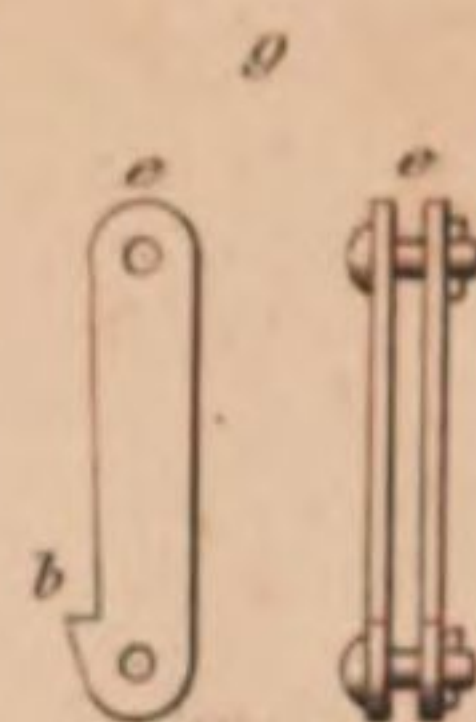
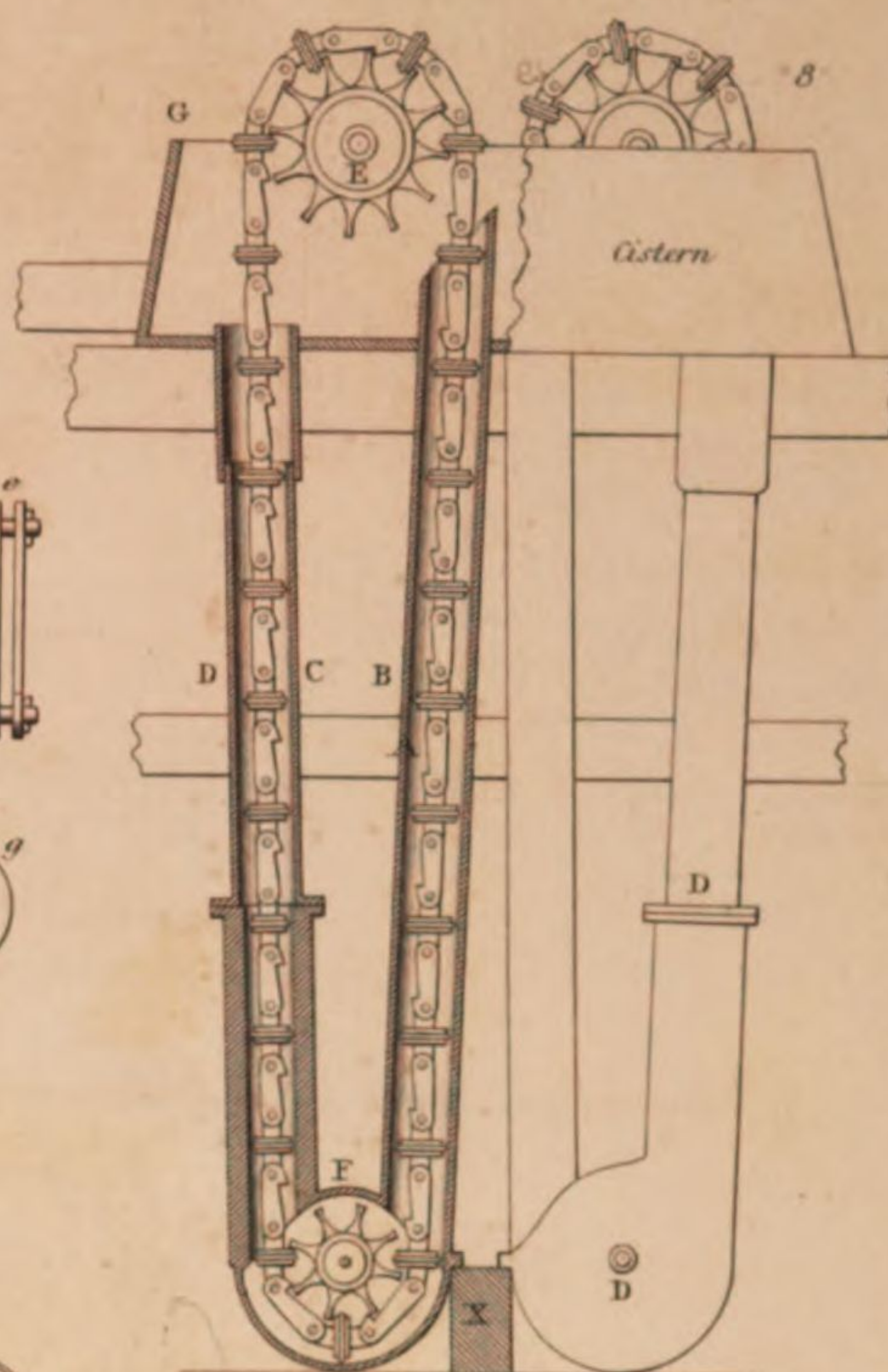


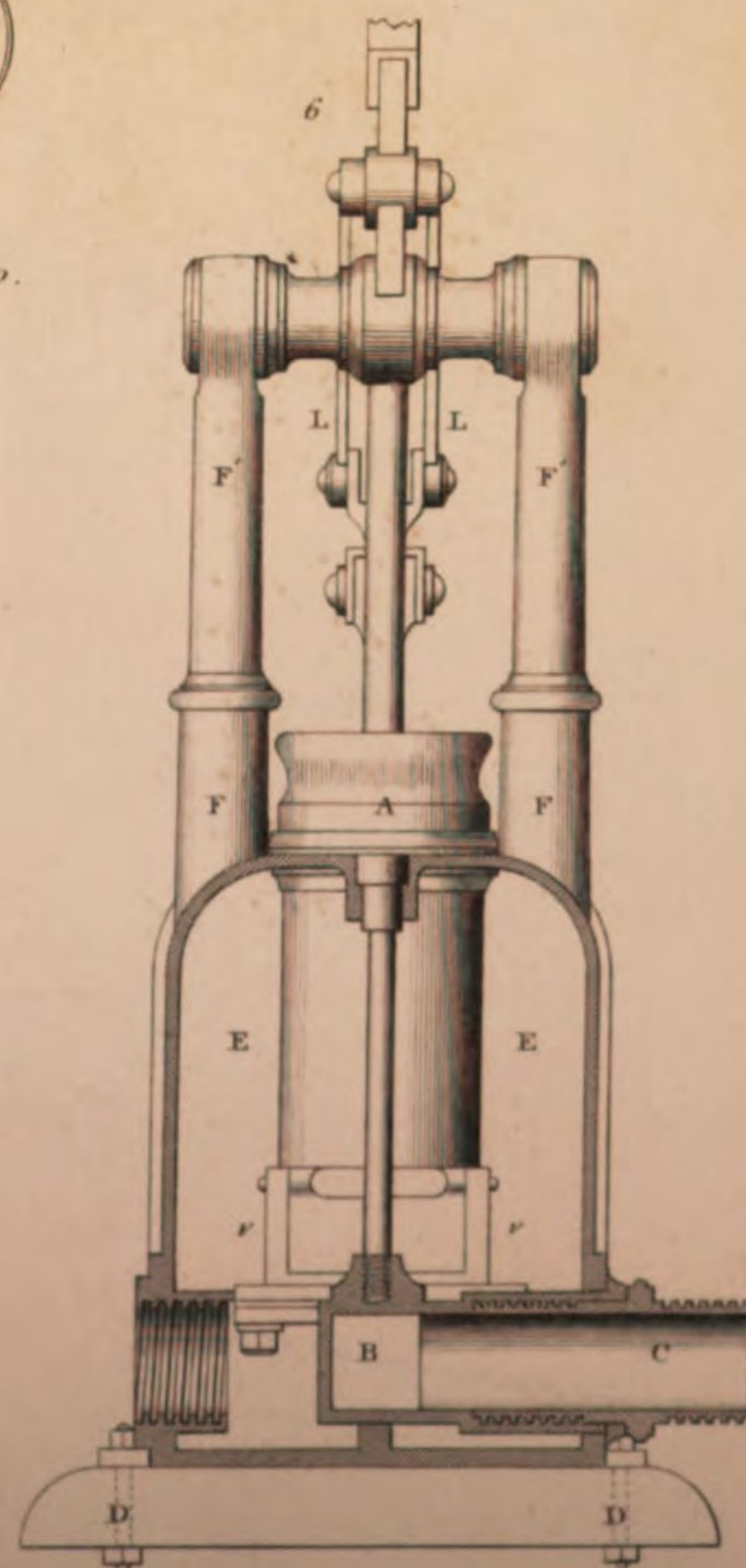
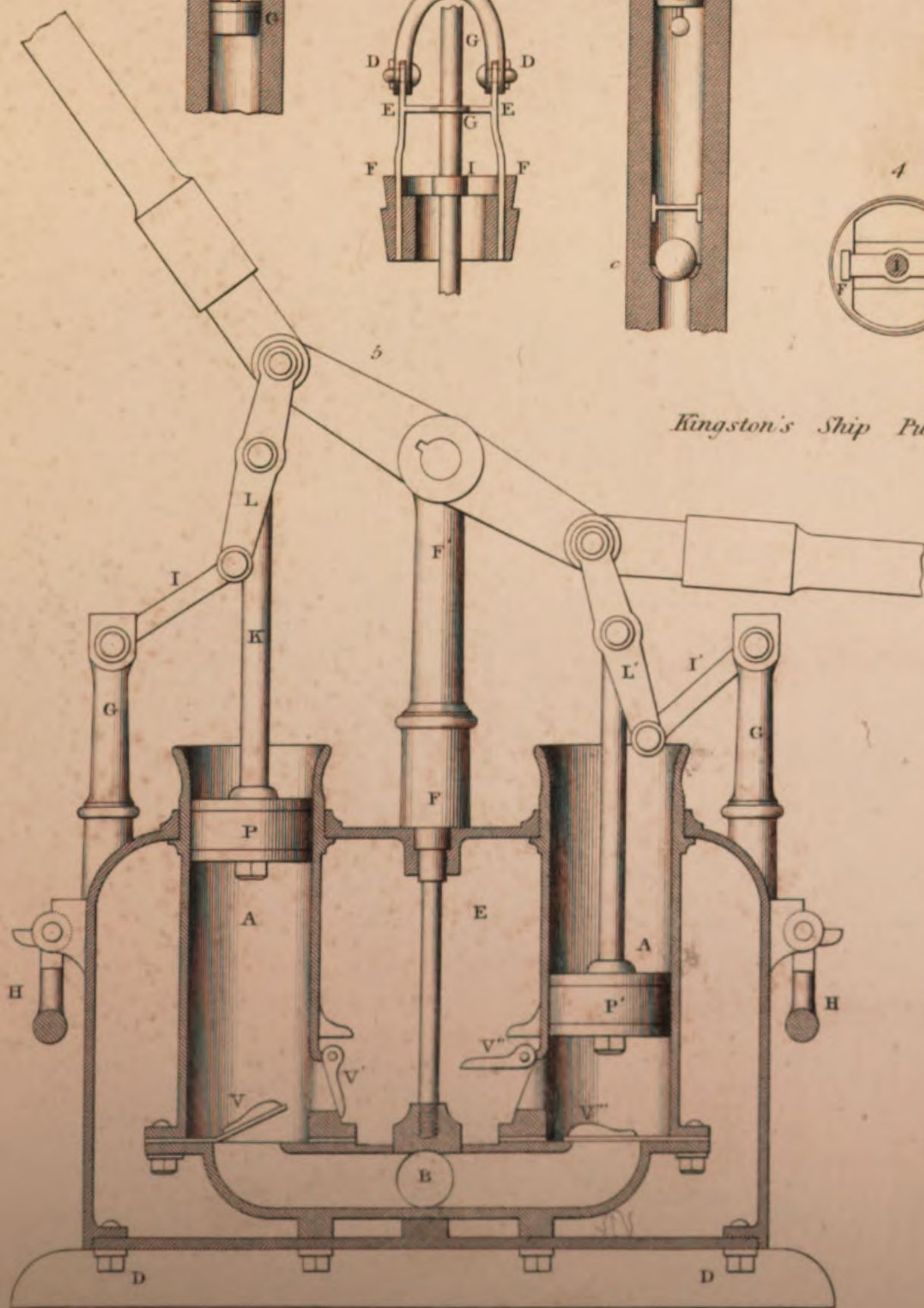
Fig. 1. Taylor's Pump.



Chain Pump used in the Royal Navy.



Kingston's Ship Pump.



X

THEORY OF THE

ARTILLERY

CHAPTER I

OF THE

ARTILLERY

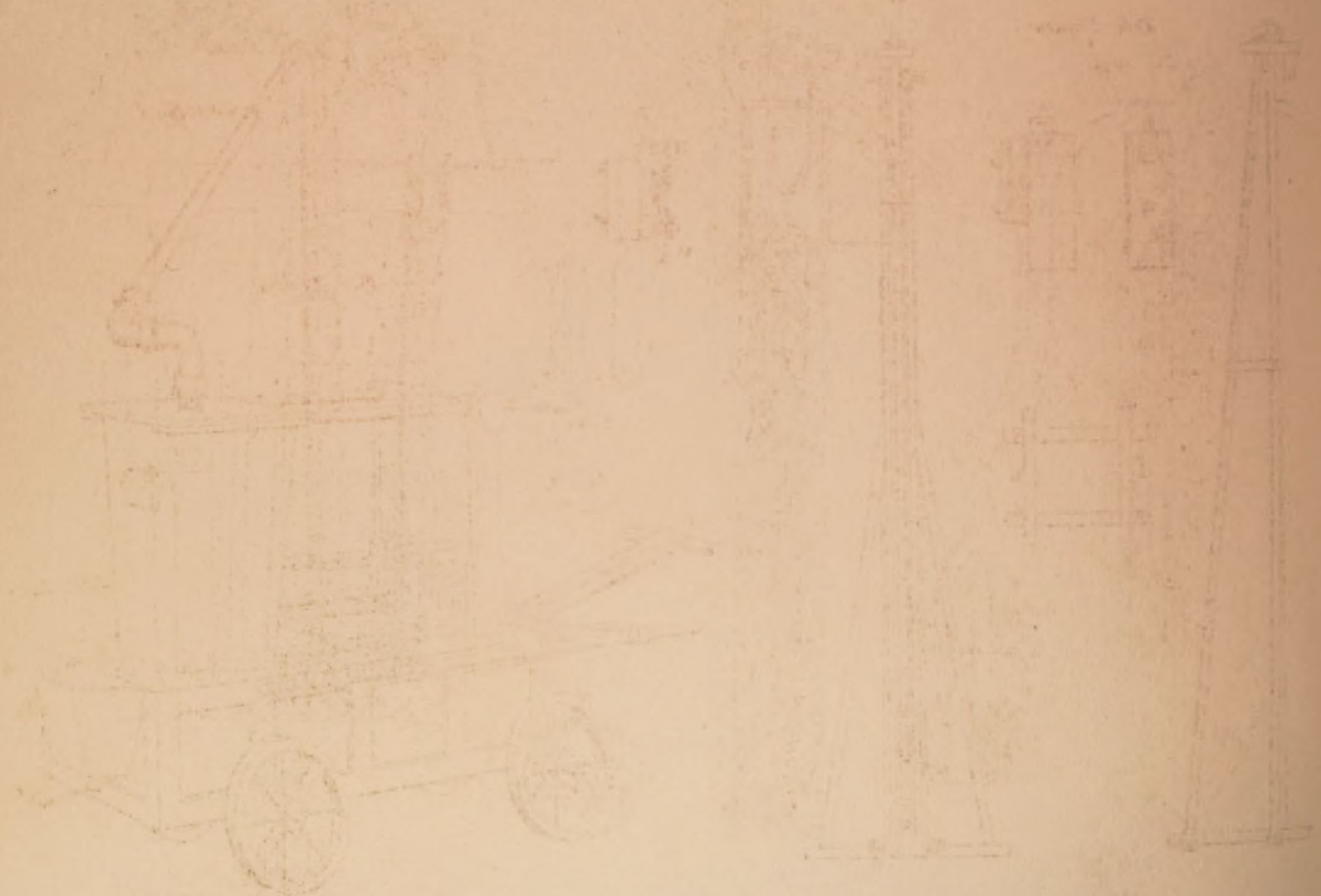
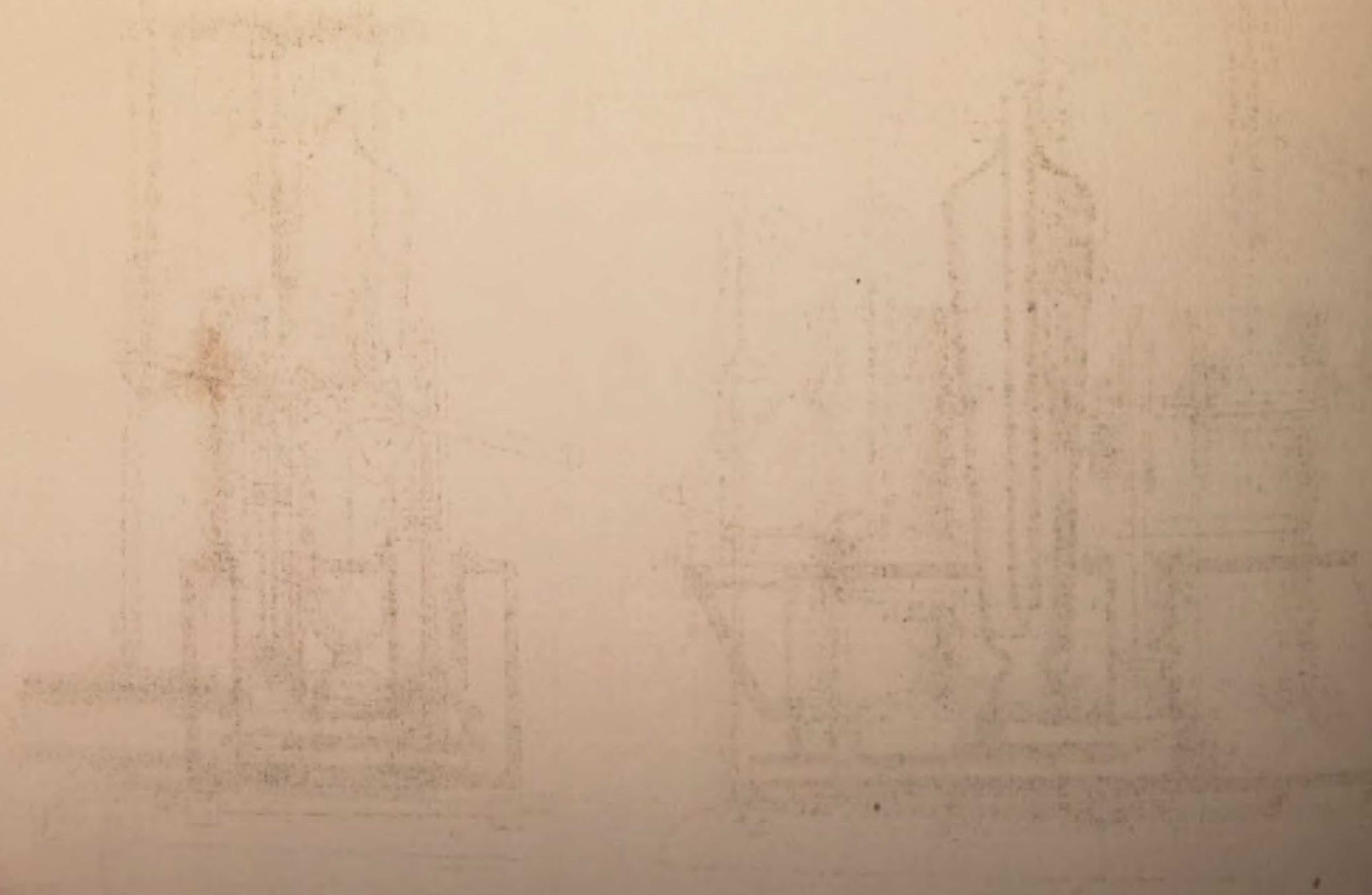


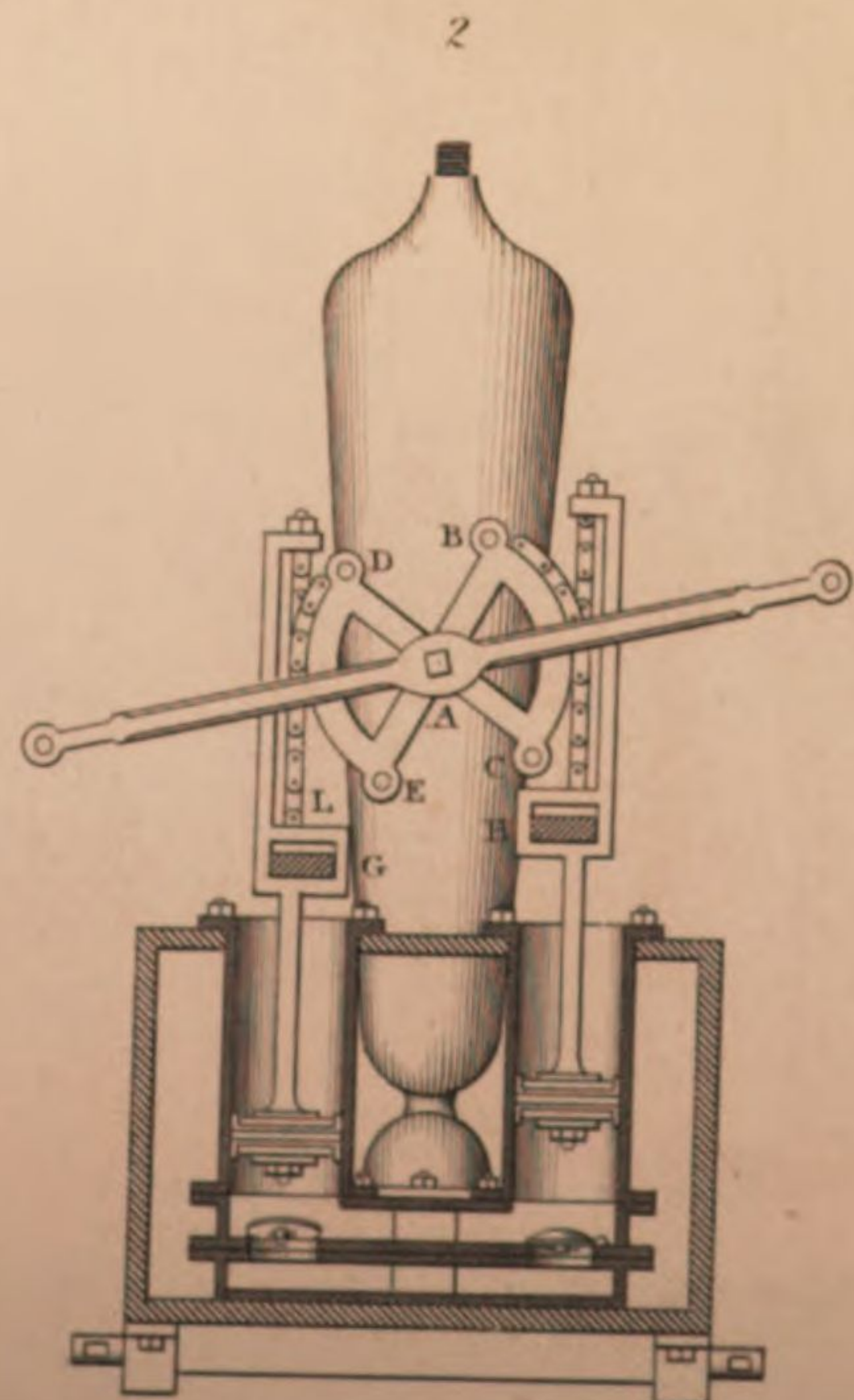
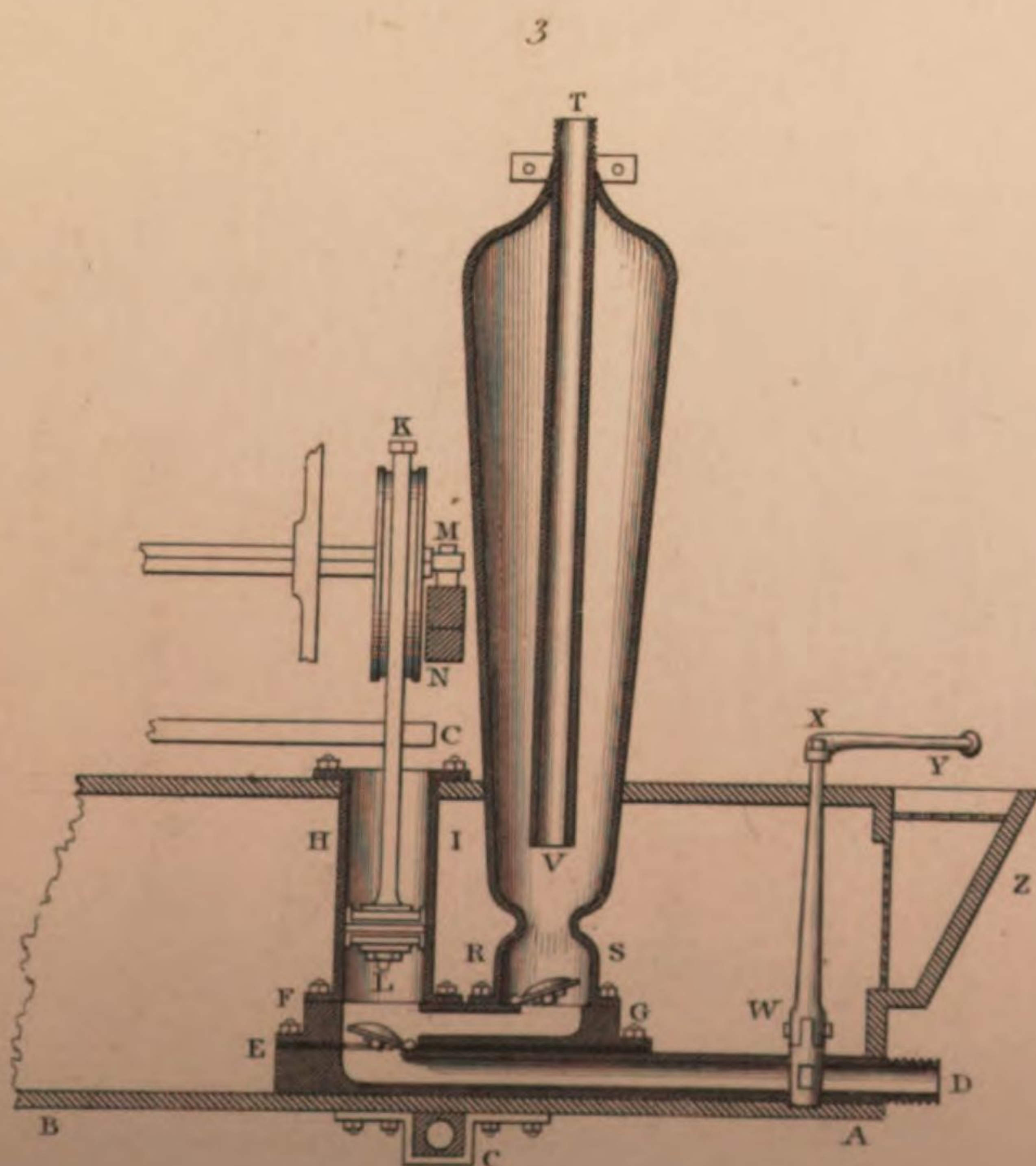
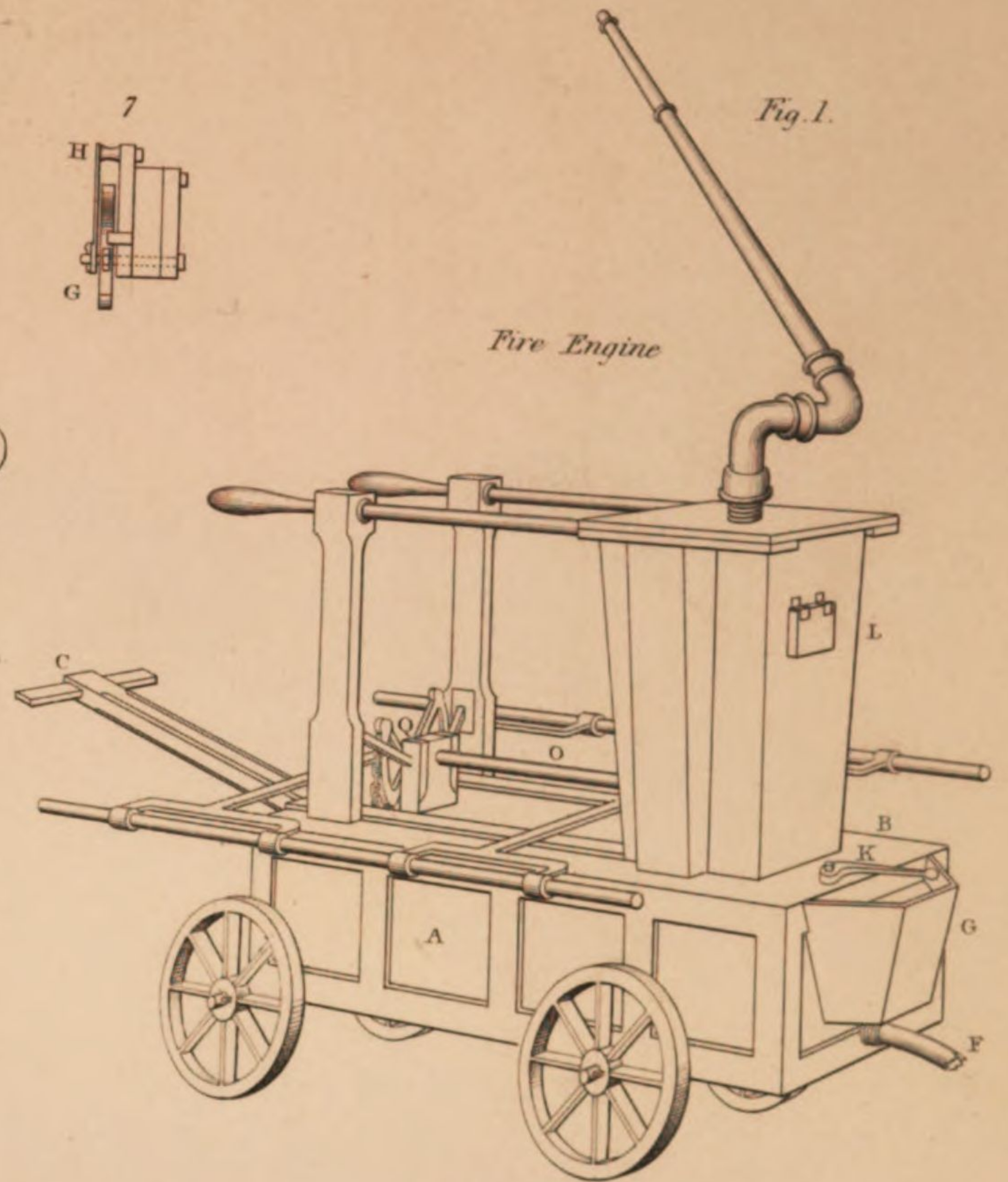
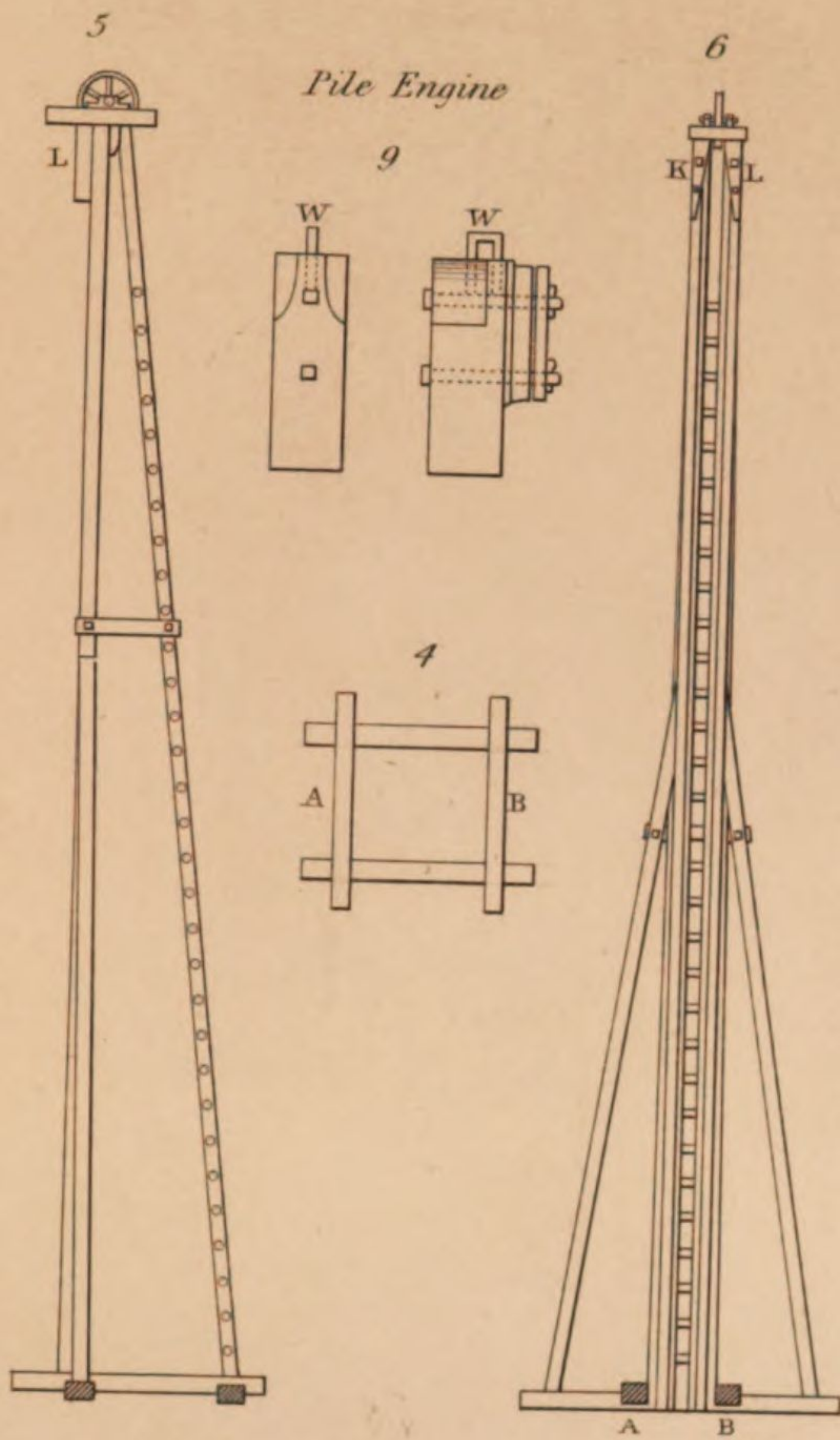
FIGURE 1



MANUFACTURES.

ENGINES.

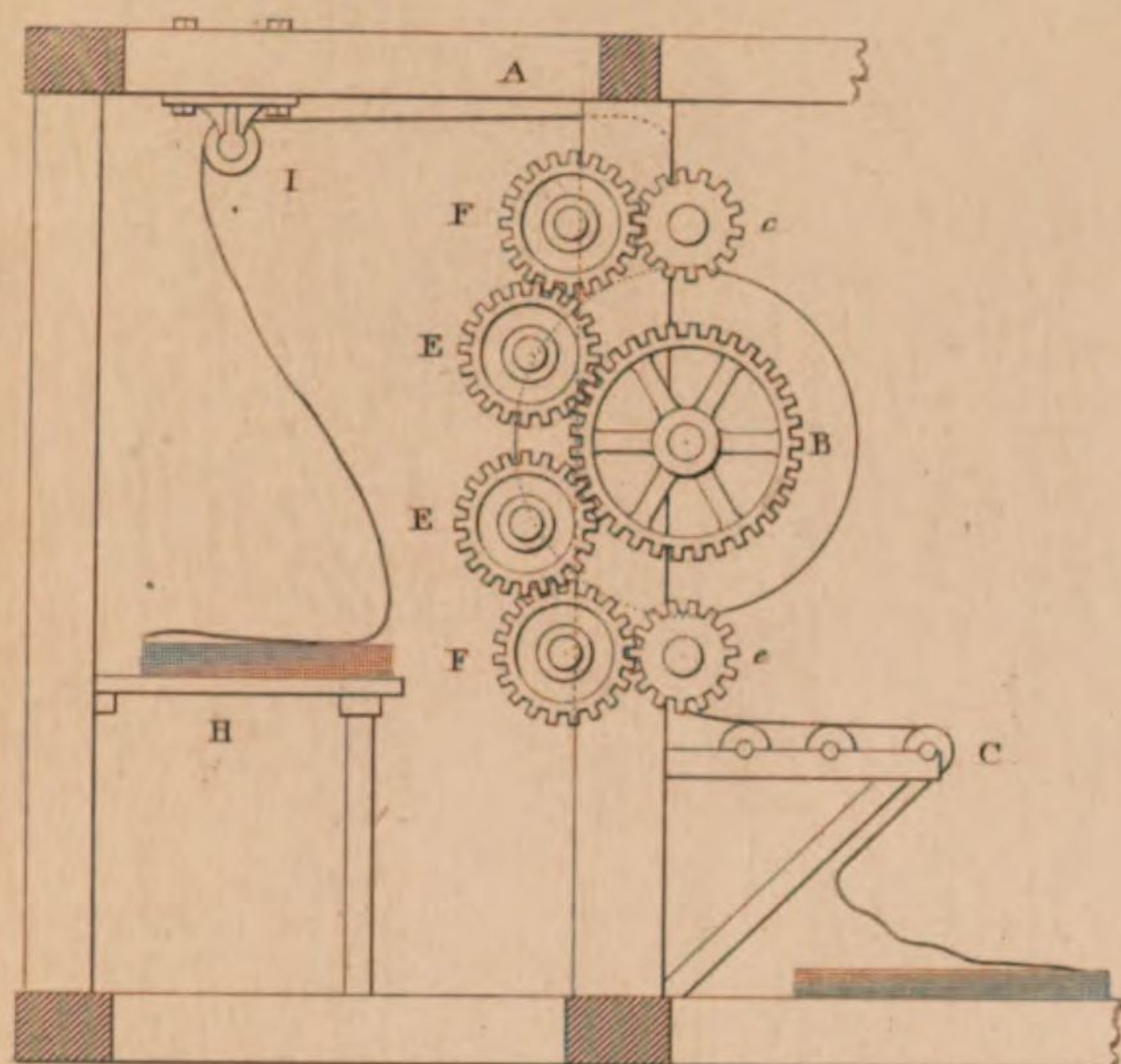
PLATE XXX.



Main body of handwritten text, consisting of several paragraphs and lines of script. The text is faint and difficult to read, but appears to be a continuous narrative or report. There are some faint diagrams or sketches interspersed within the text, including a circular shape on the left side and a rectangular shape on the right side.

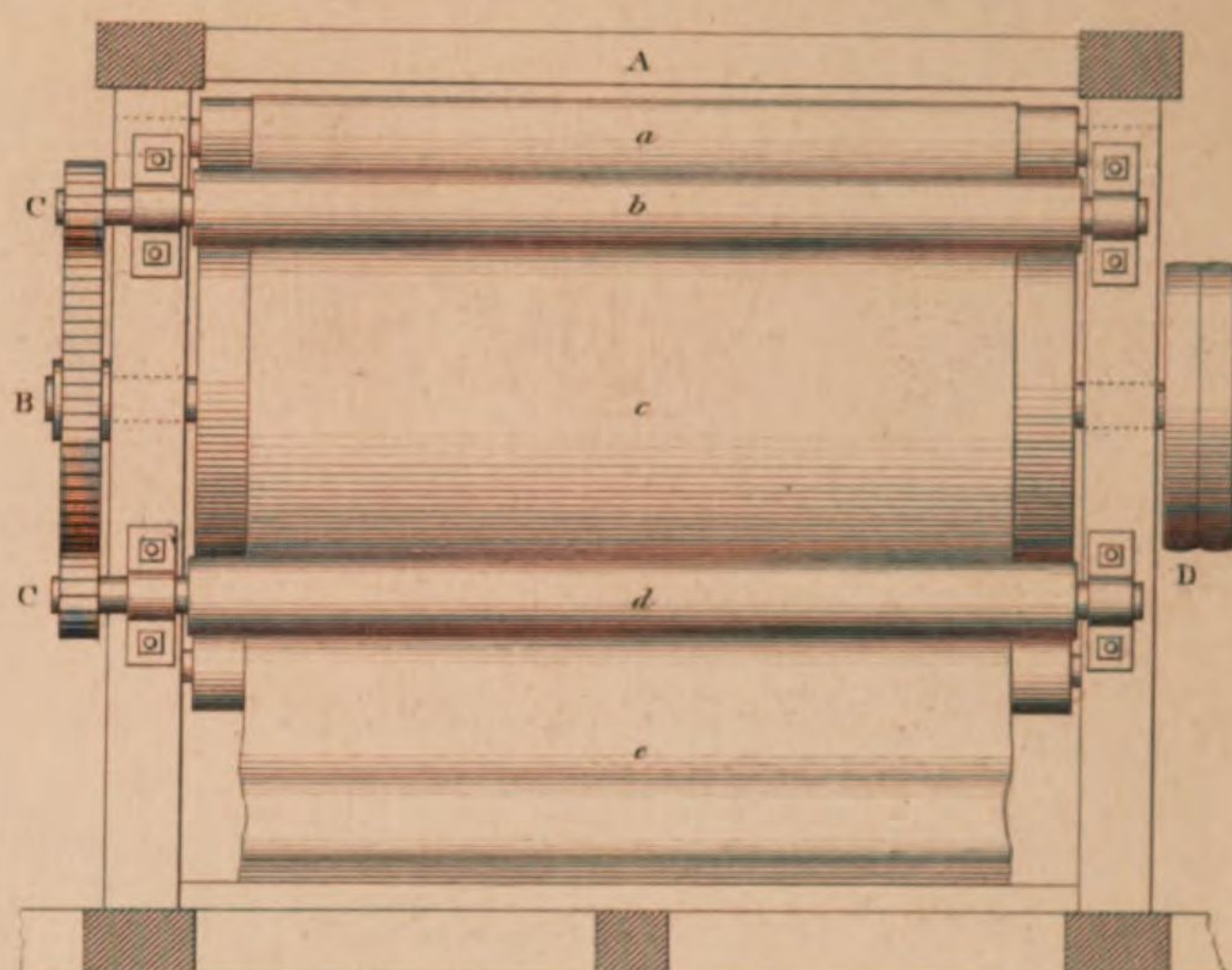
Glazing Calender

8



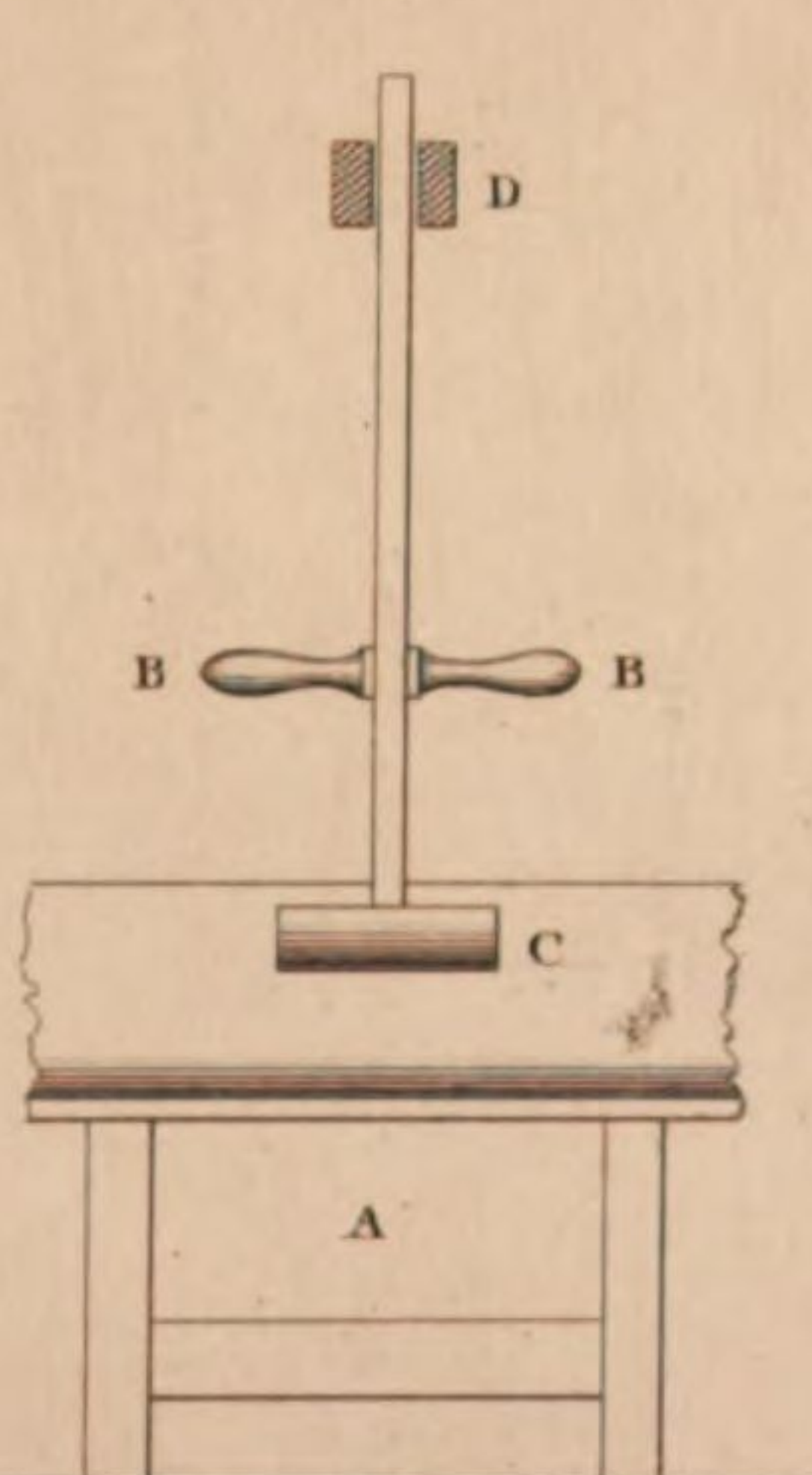
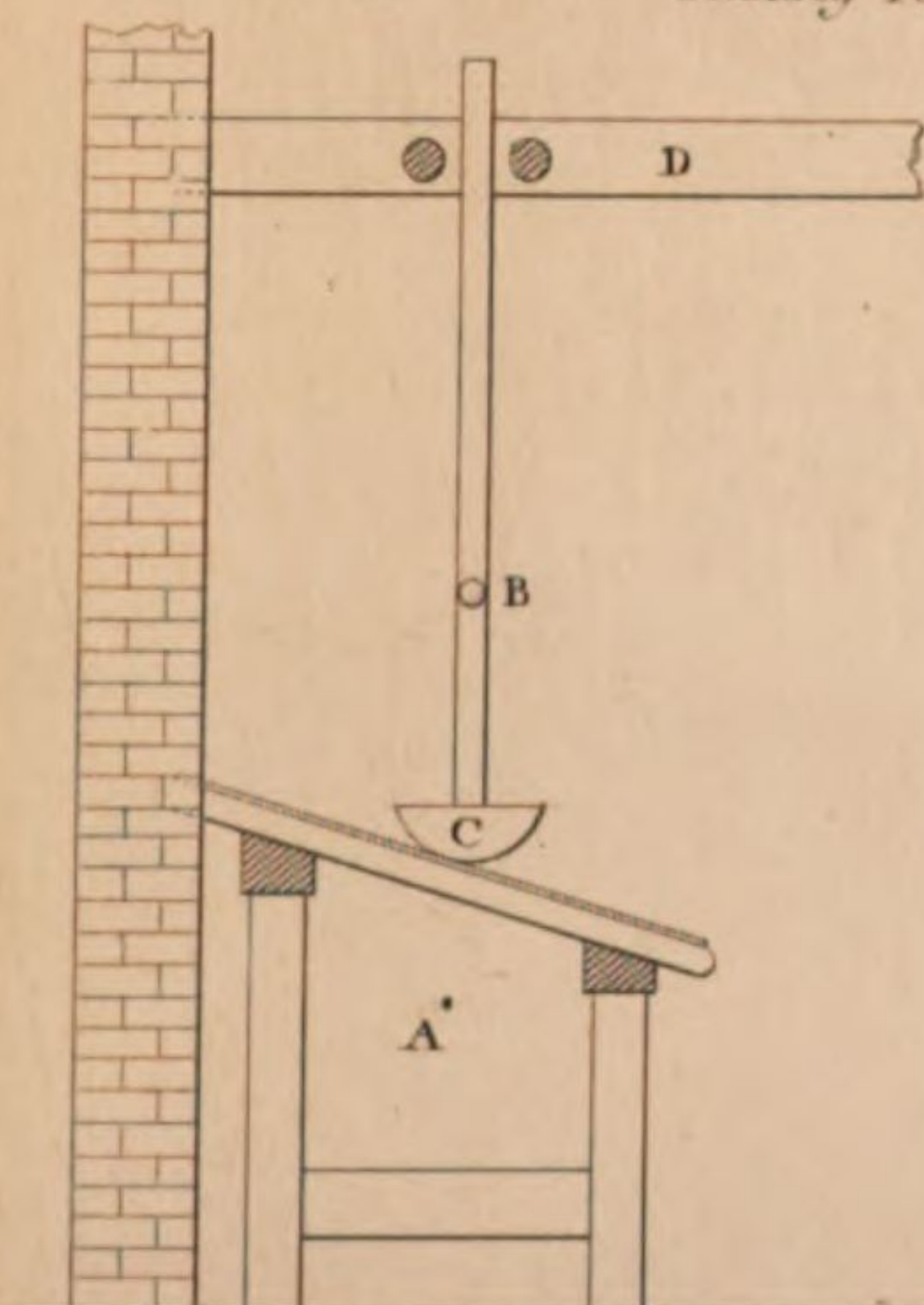
Five Bowl Calender

5

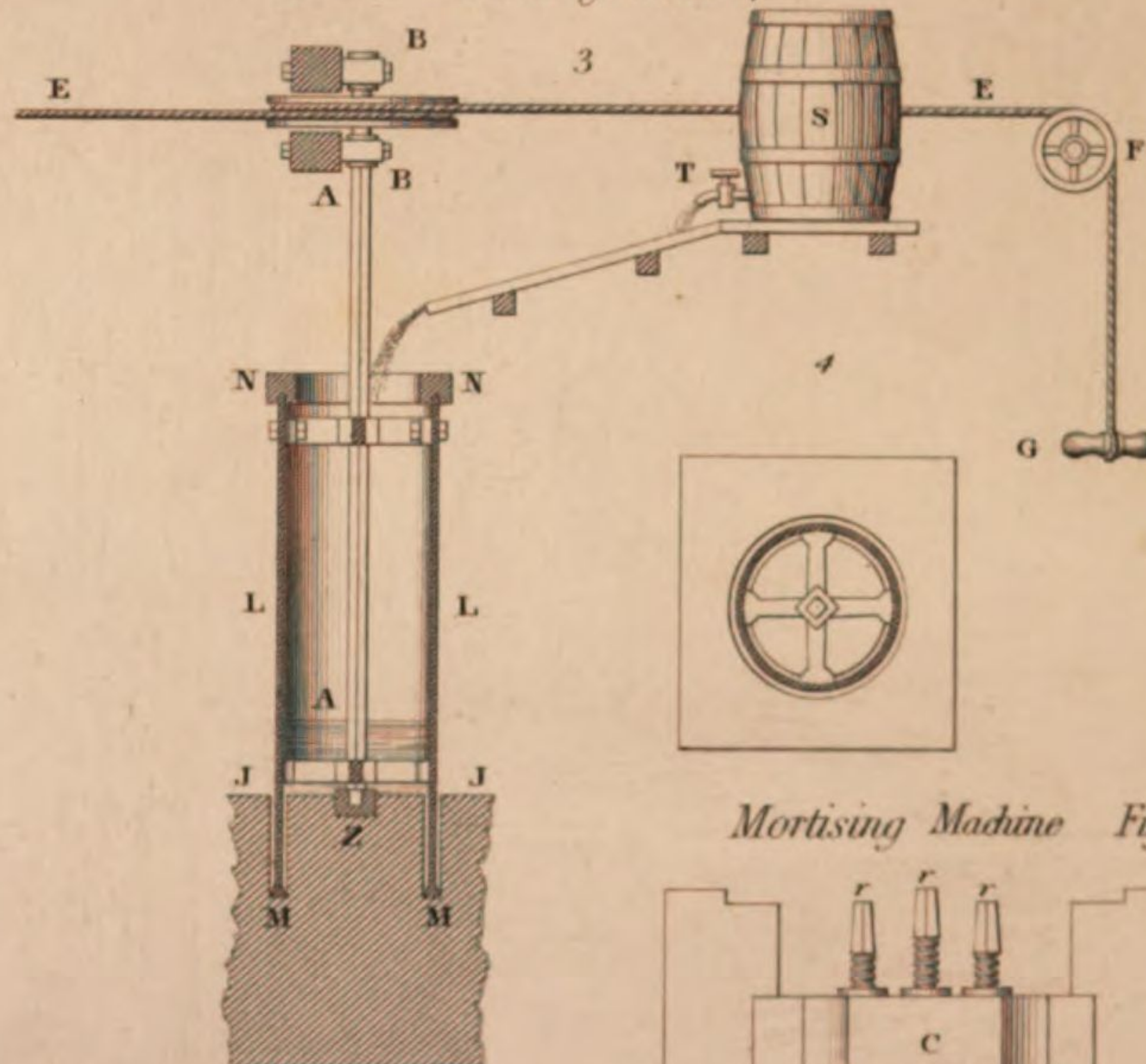


6 Glazing Table

7

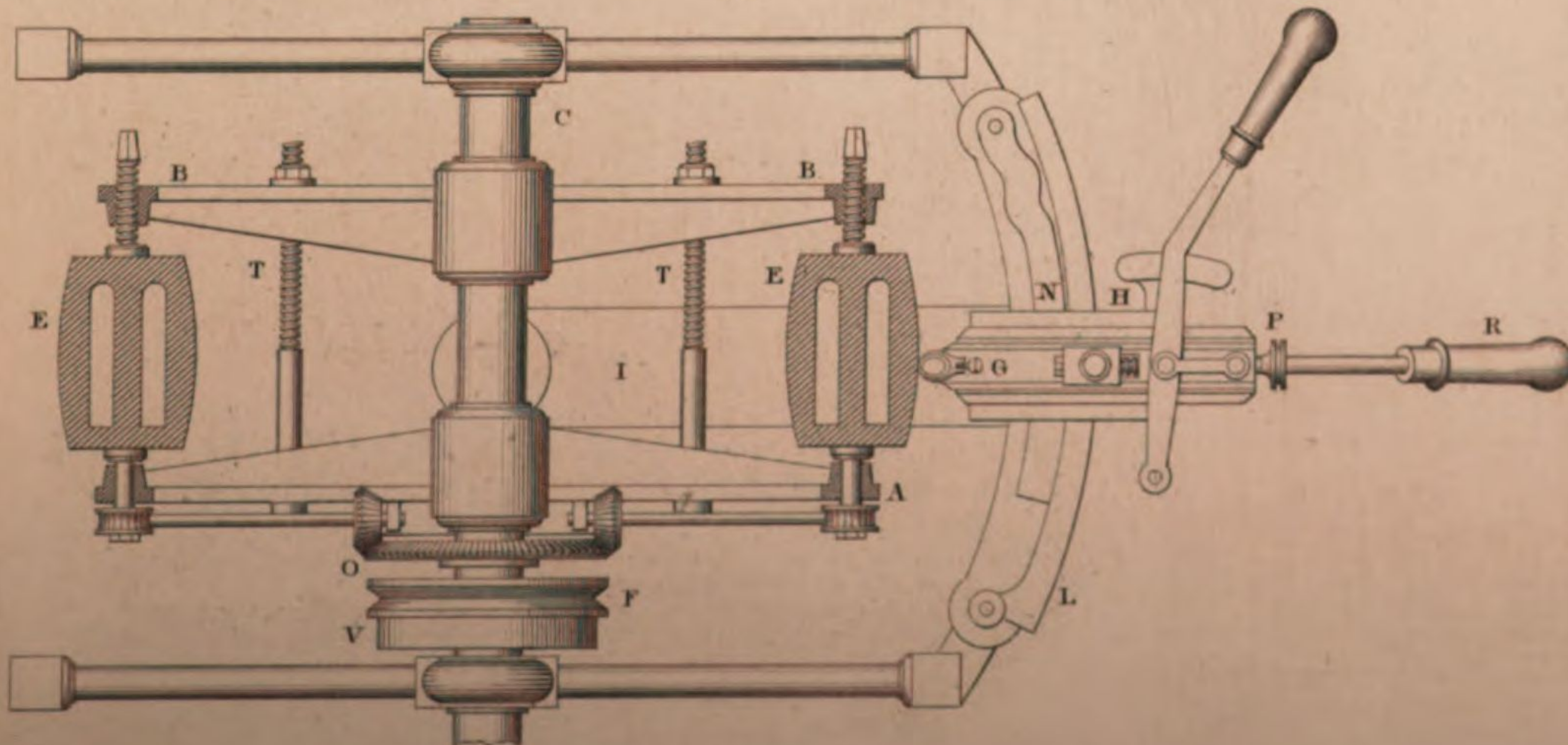


Machine for Boring Stone Pipes

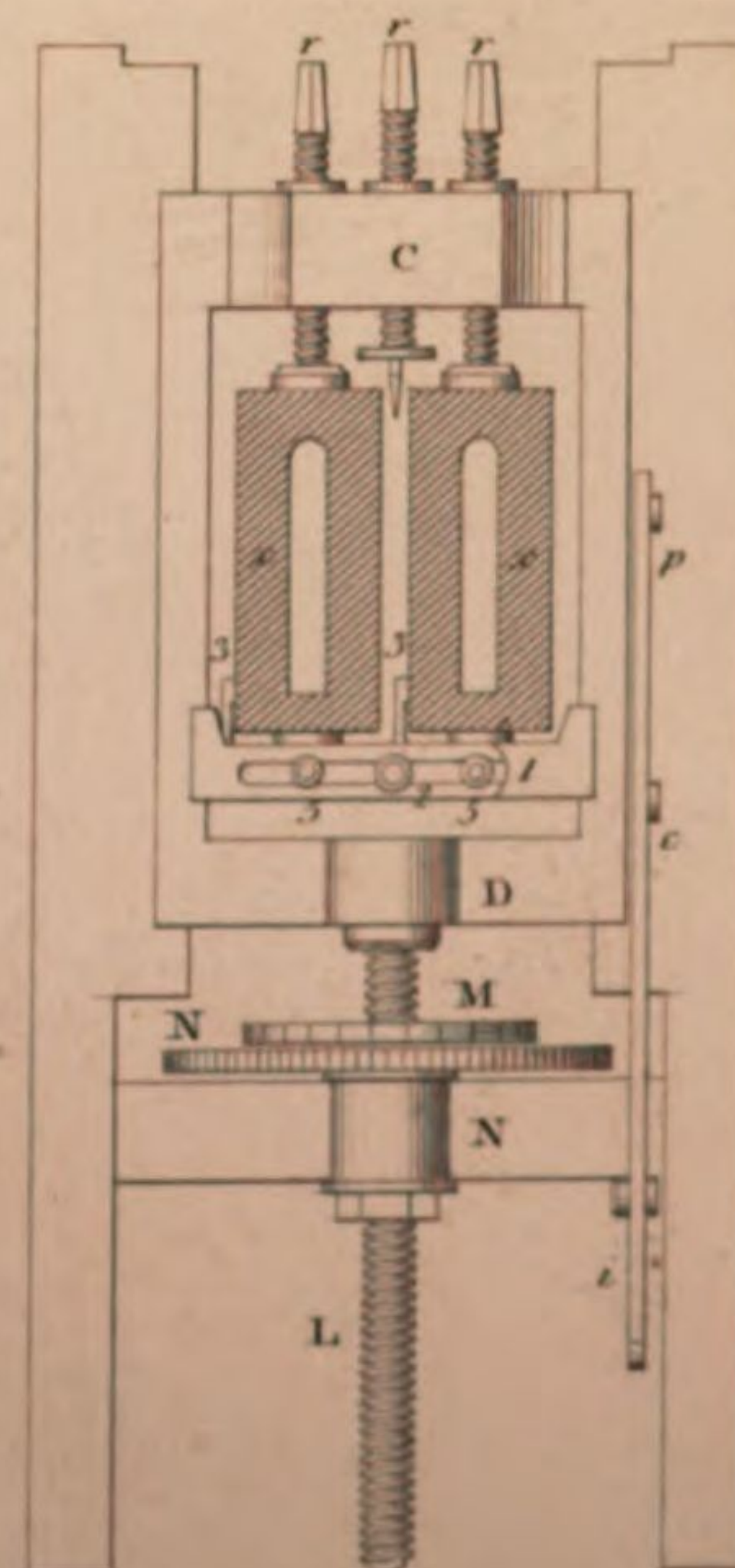


Shaping Machine

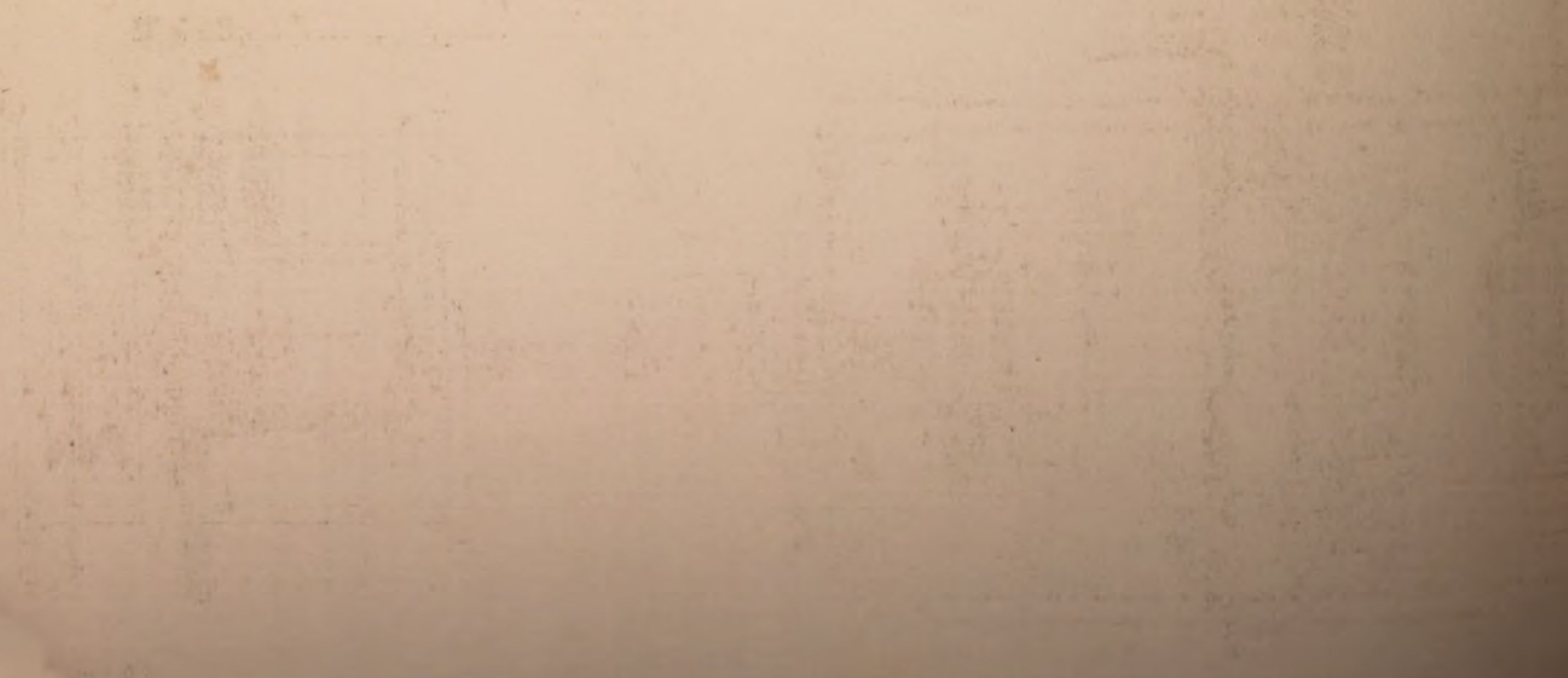
2



Mortising Machine Fig. 1.



Handwritten text at the top center, possibly a title or date, which is mostly illegible due to fading.



MANUFACTURES.

MISCELLANEOUS MACHINES.

PLATE XXV.

Spring Jack.

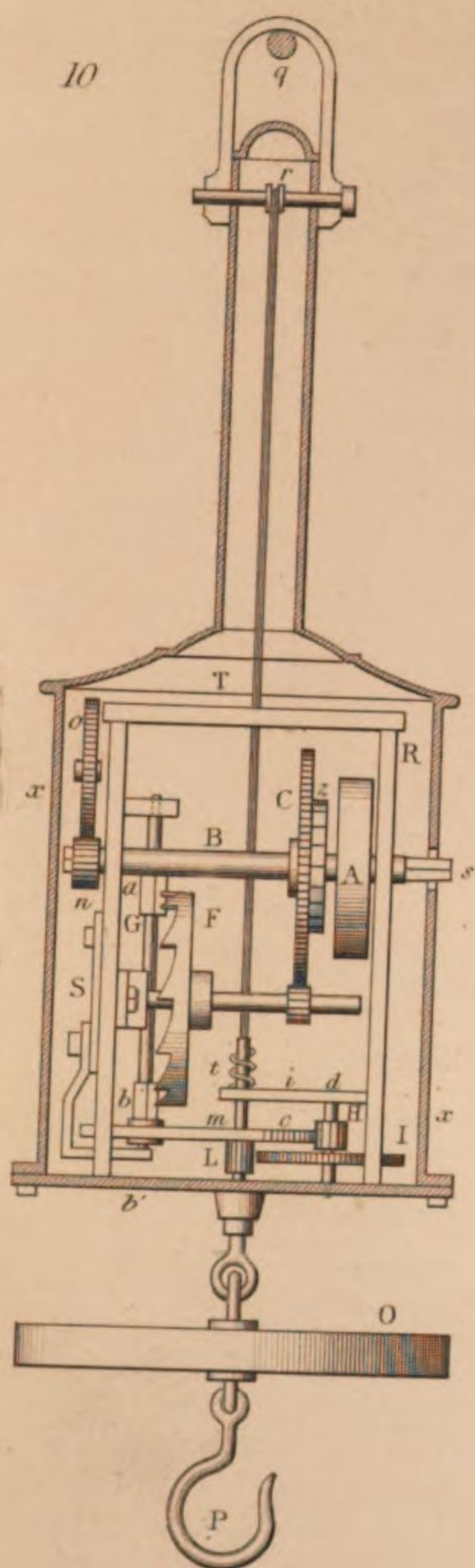
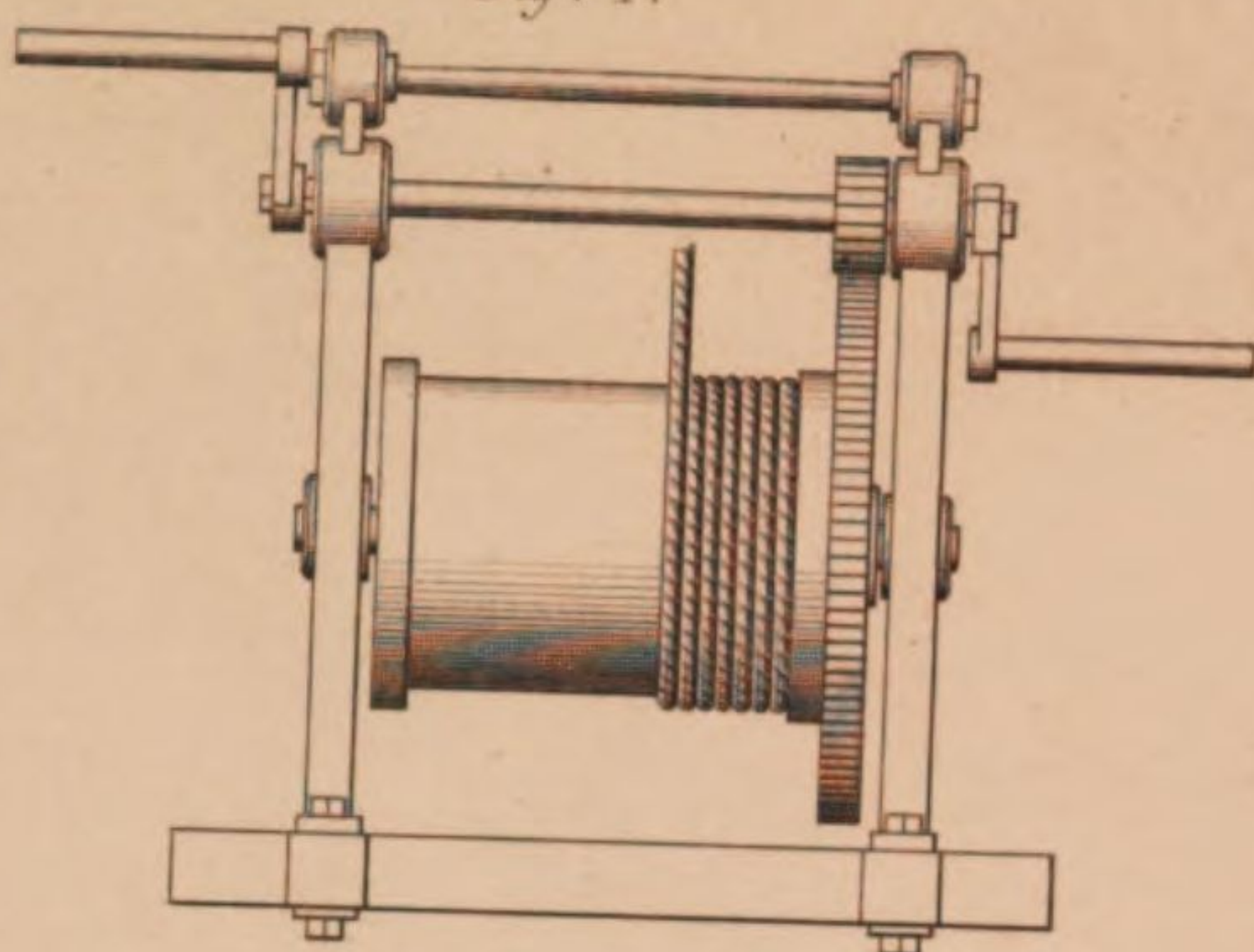
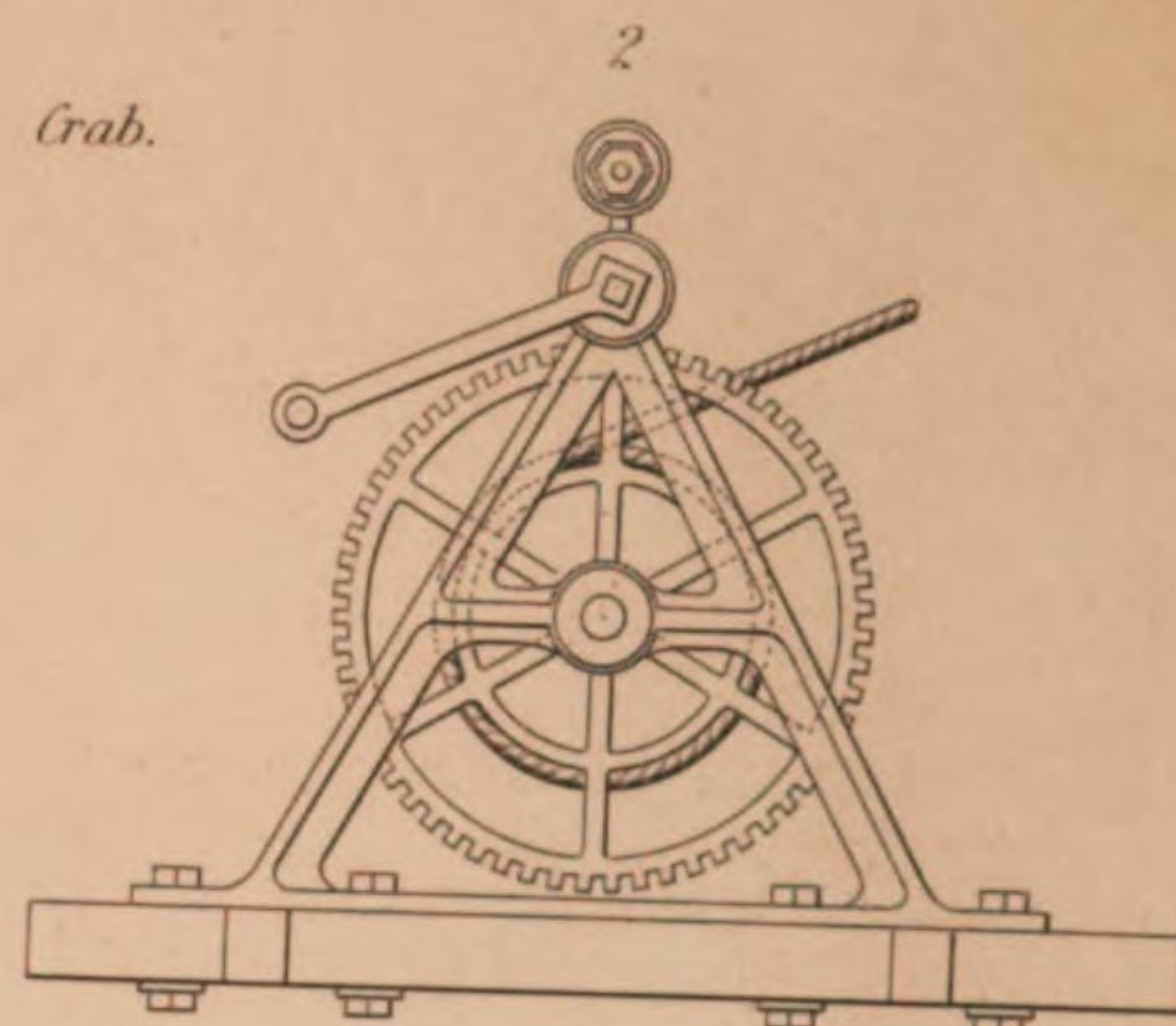


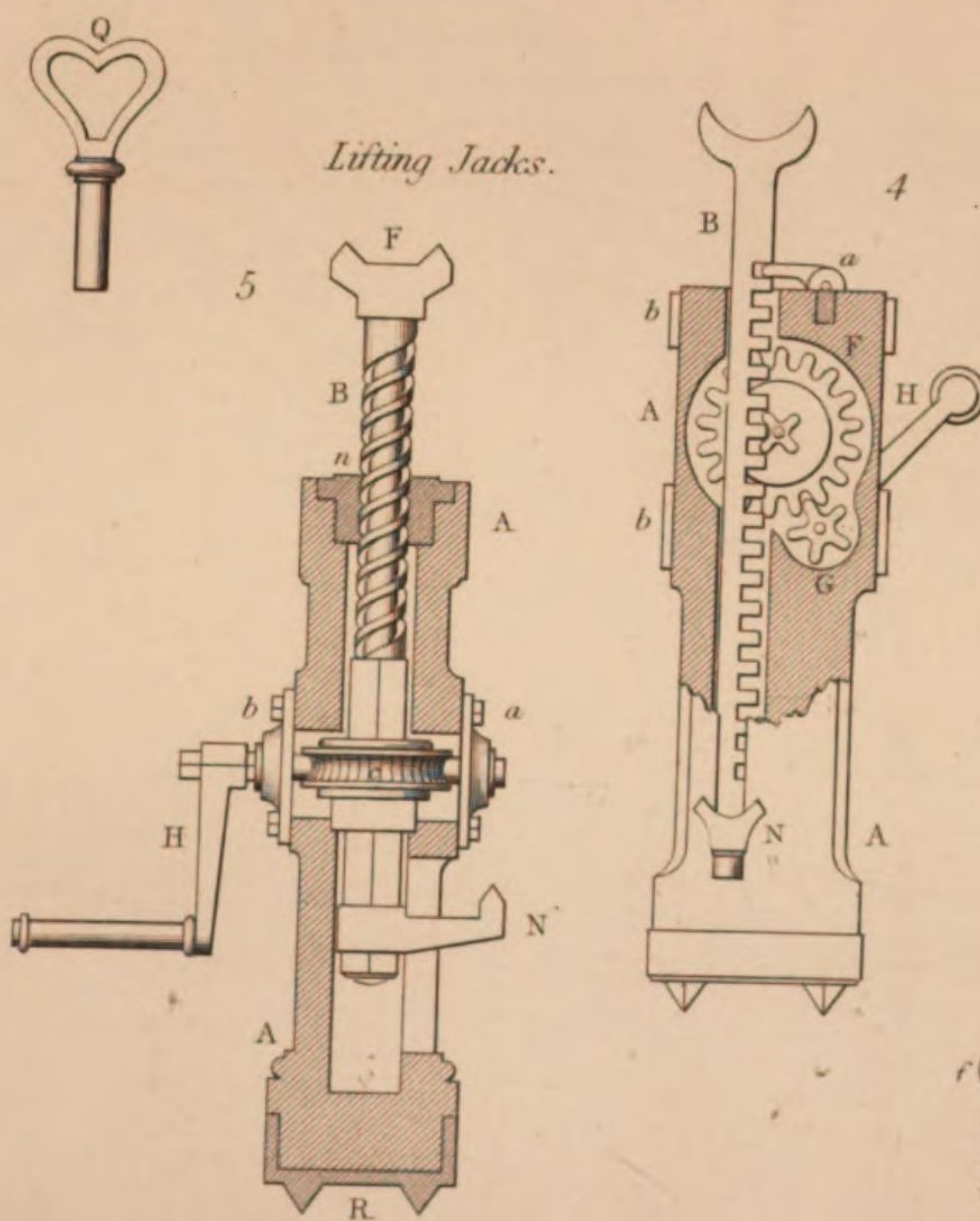
Fig. 1.



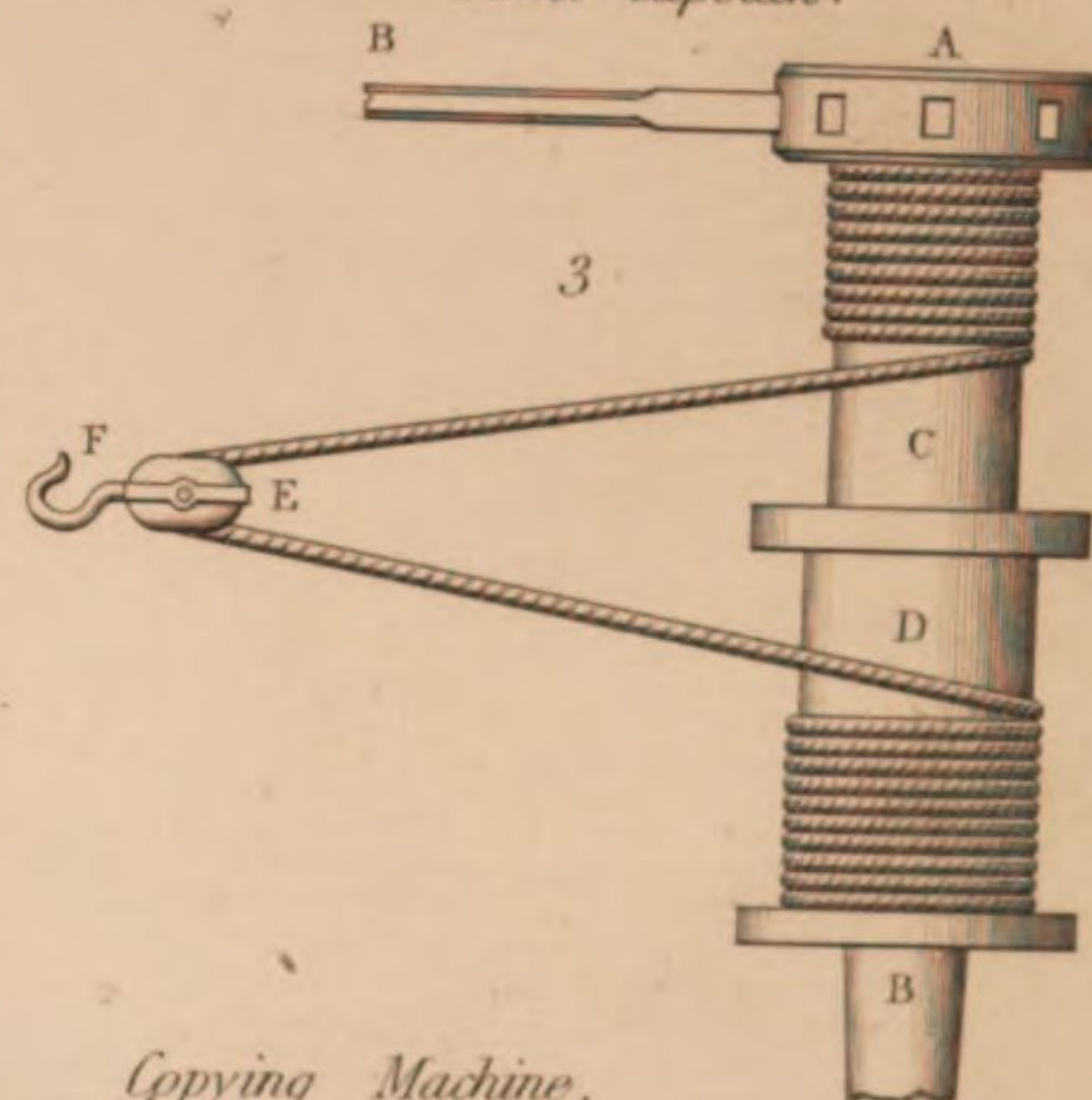
Crab.



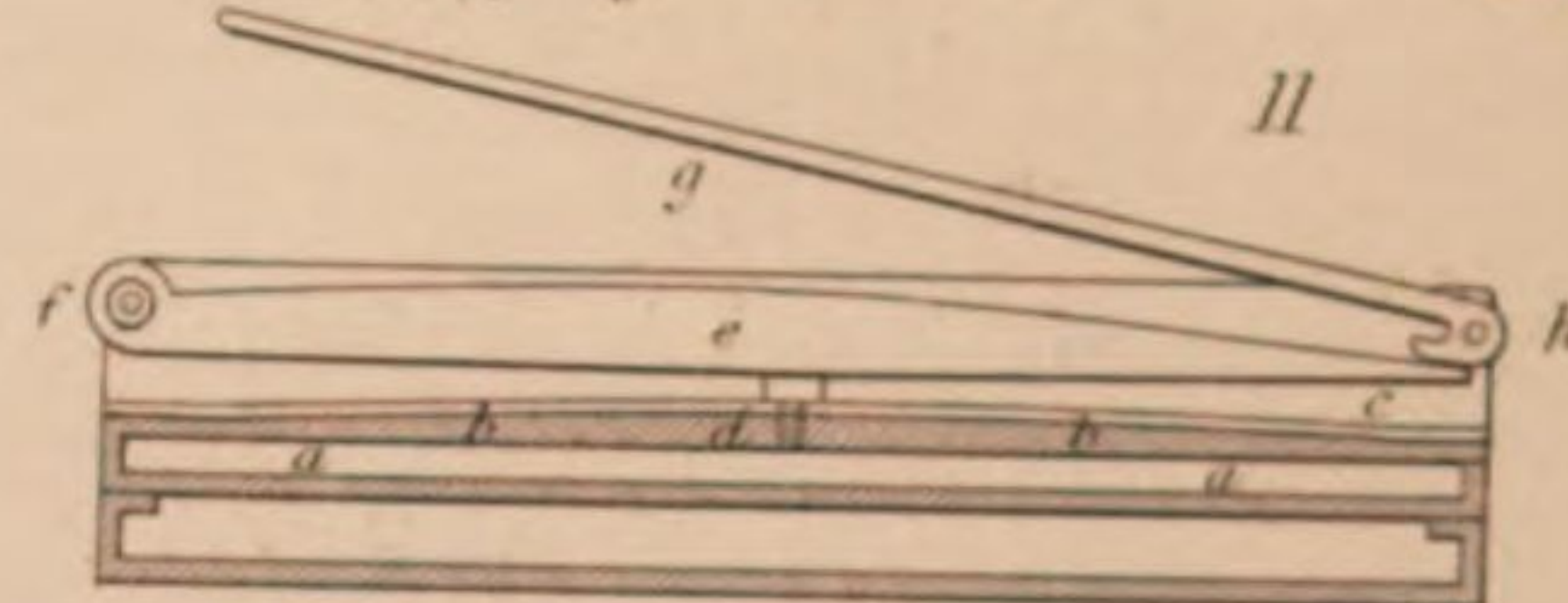
Lifting Jacks.



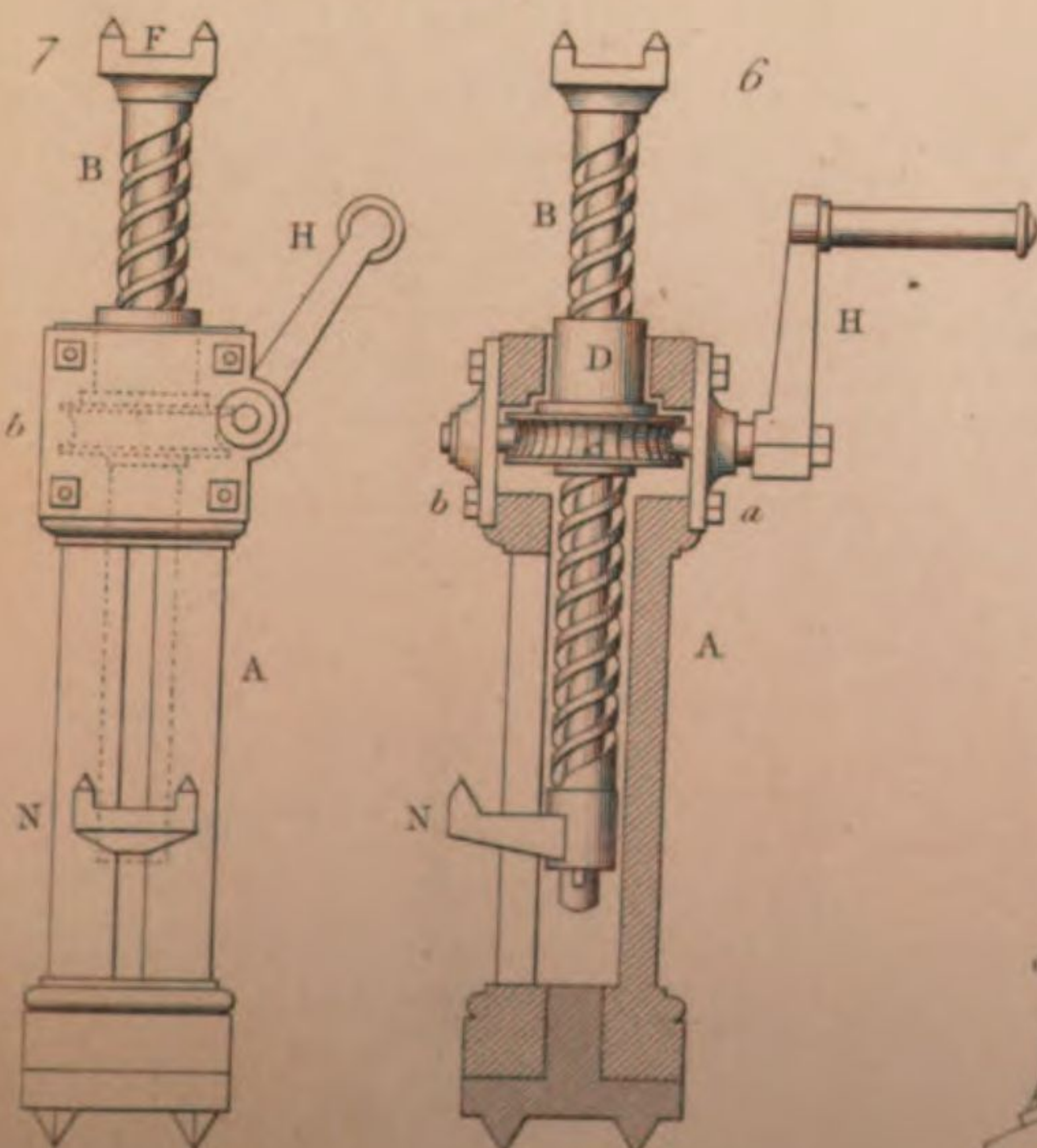
Power Capstan.



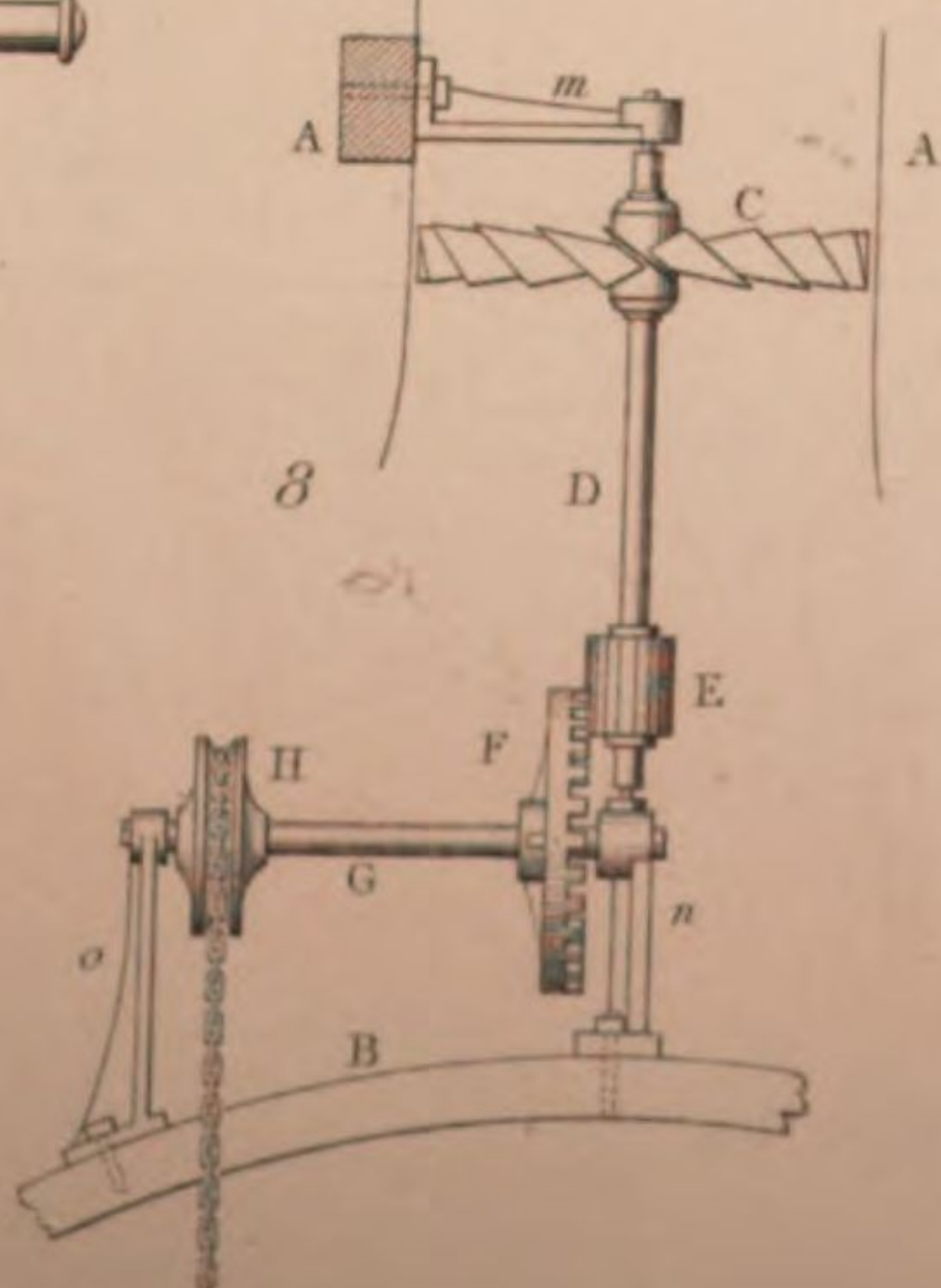
Copying Machine.



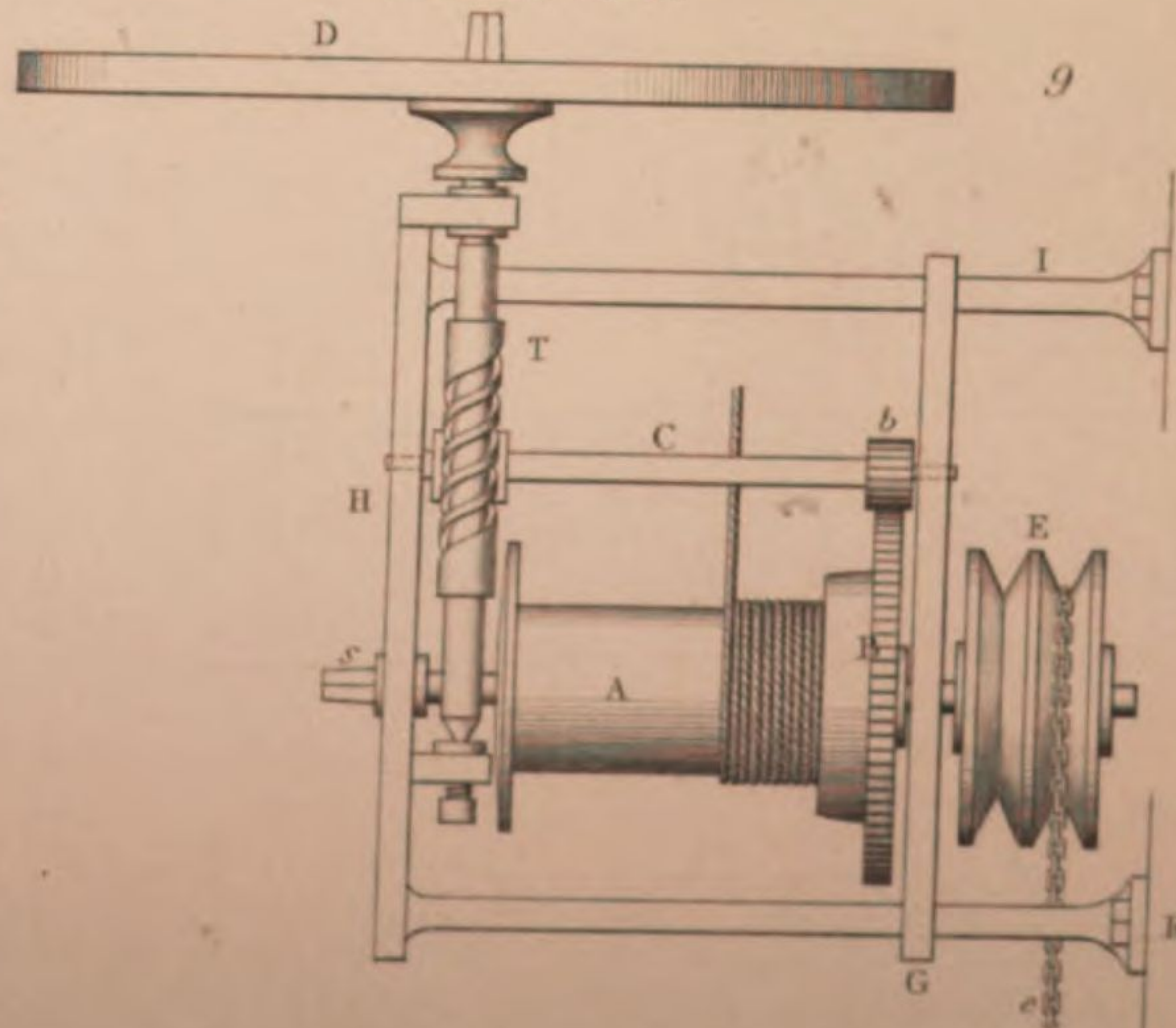
Improved Lifting Jacks.

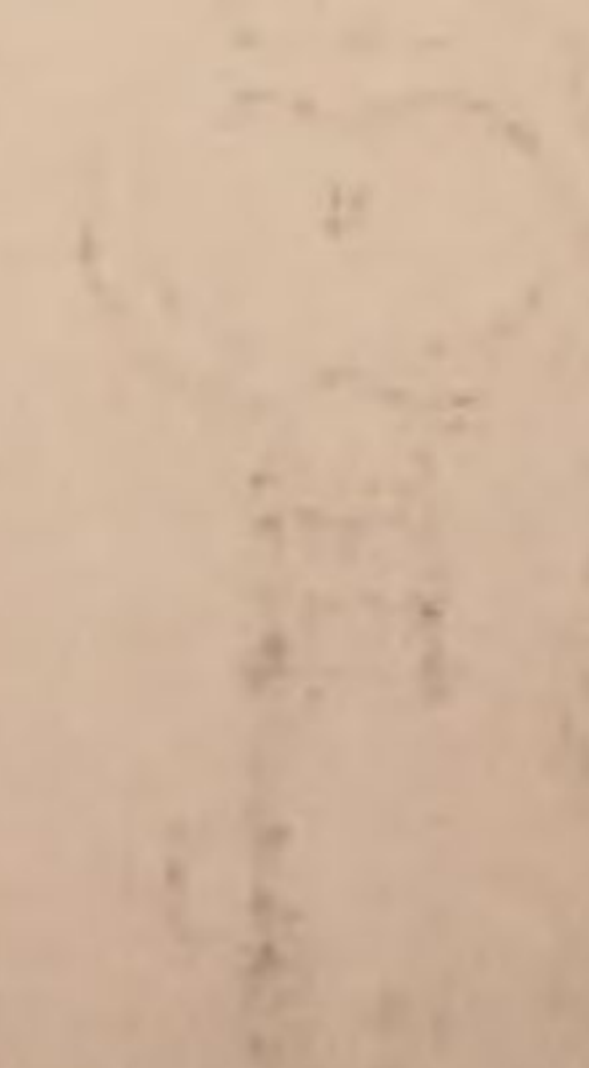
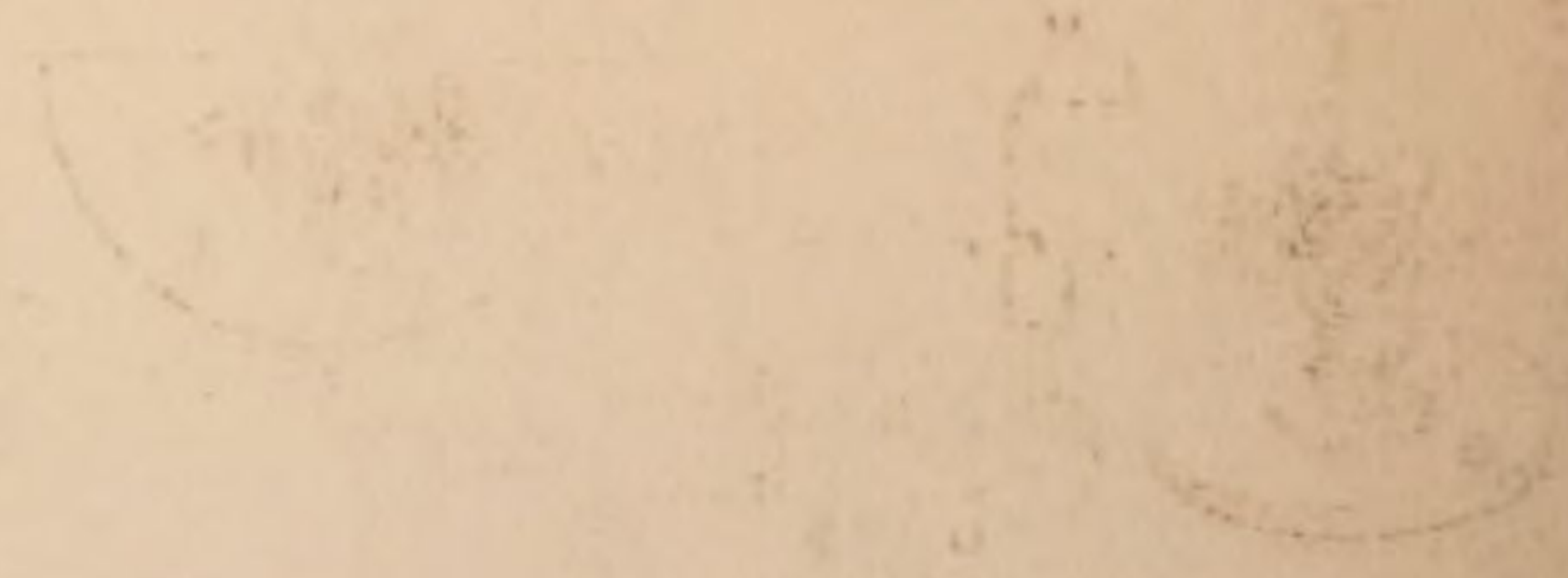


Smoke Jack.

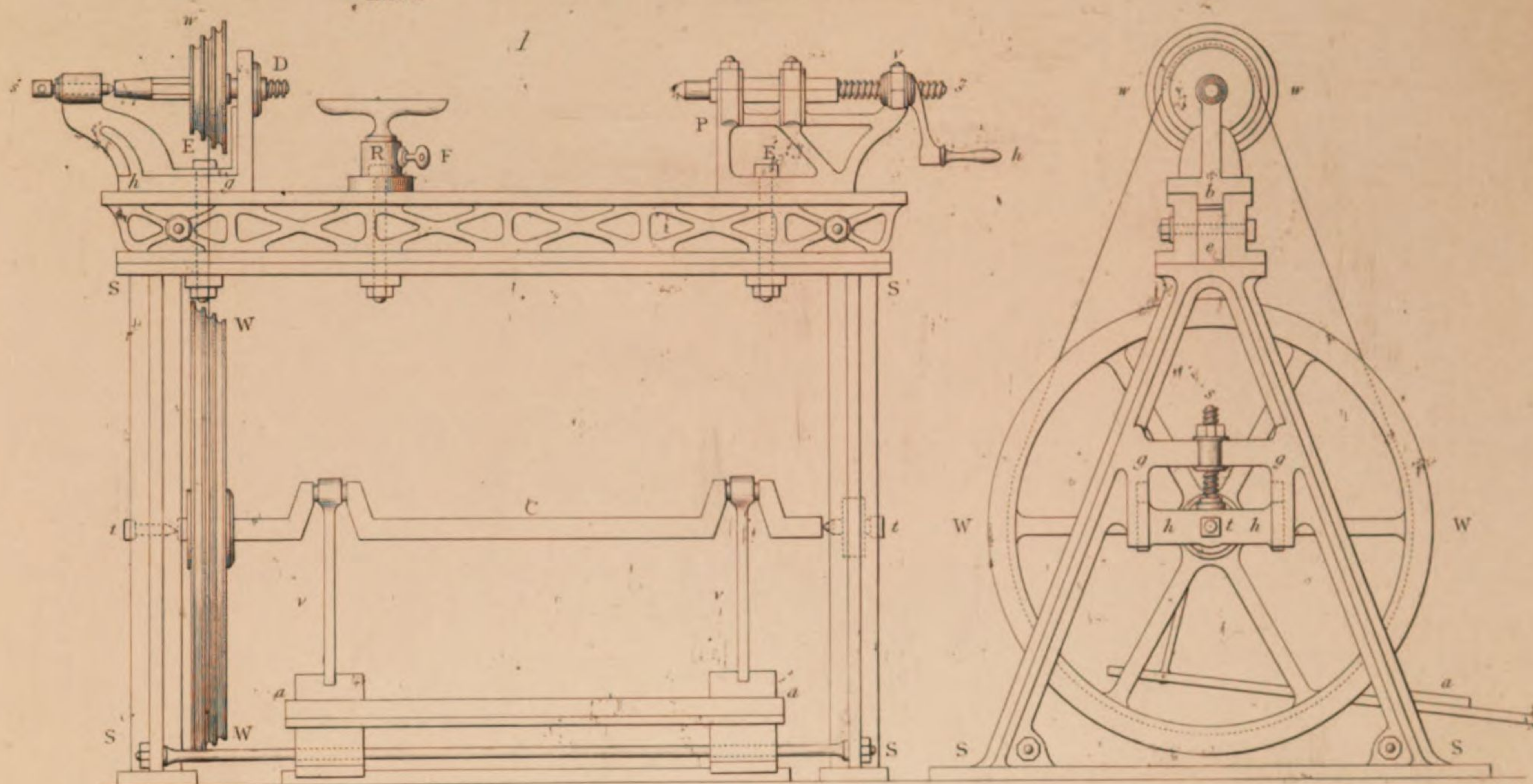


Common Jack.

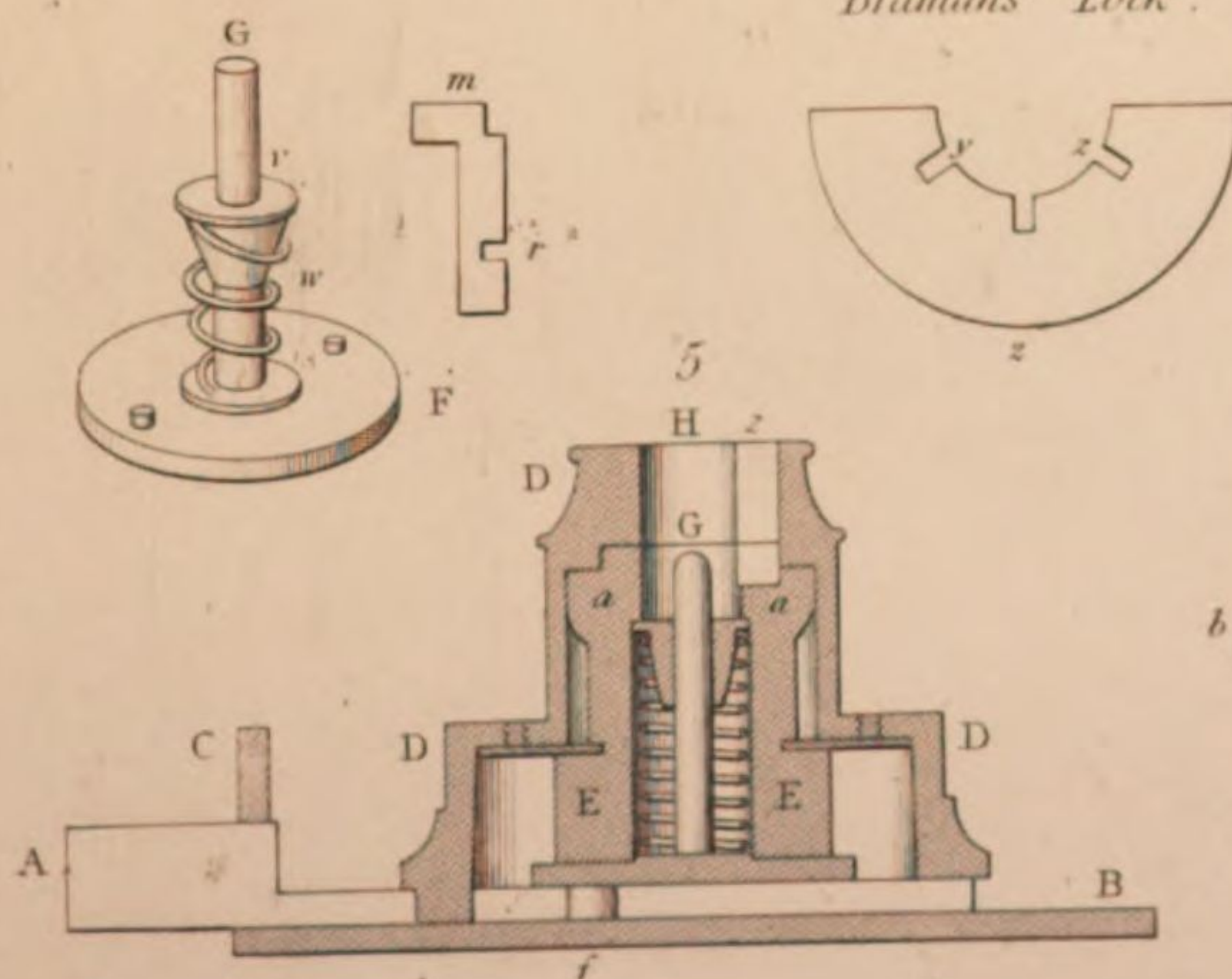




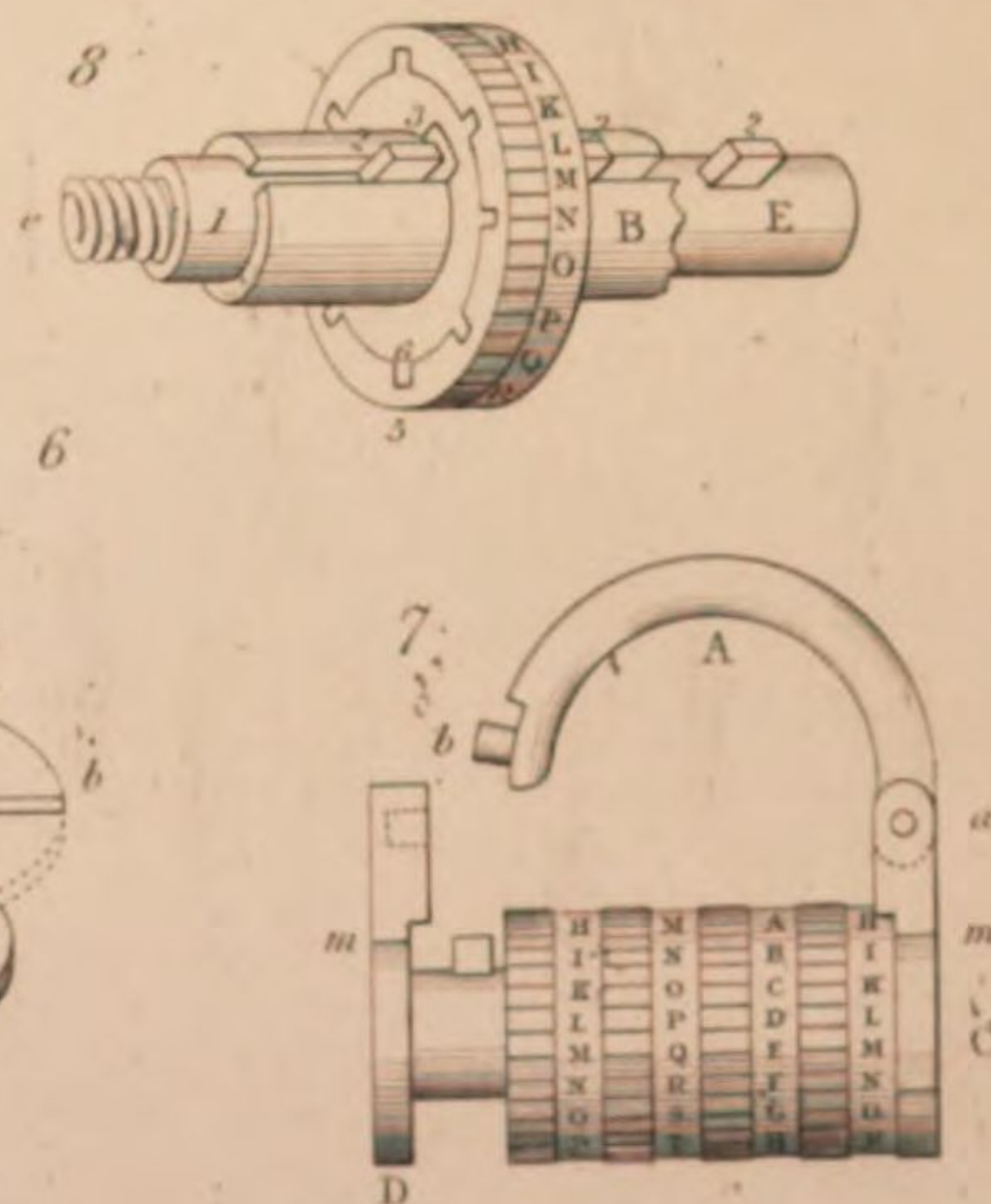
Lathe



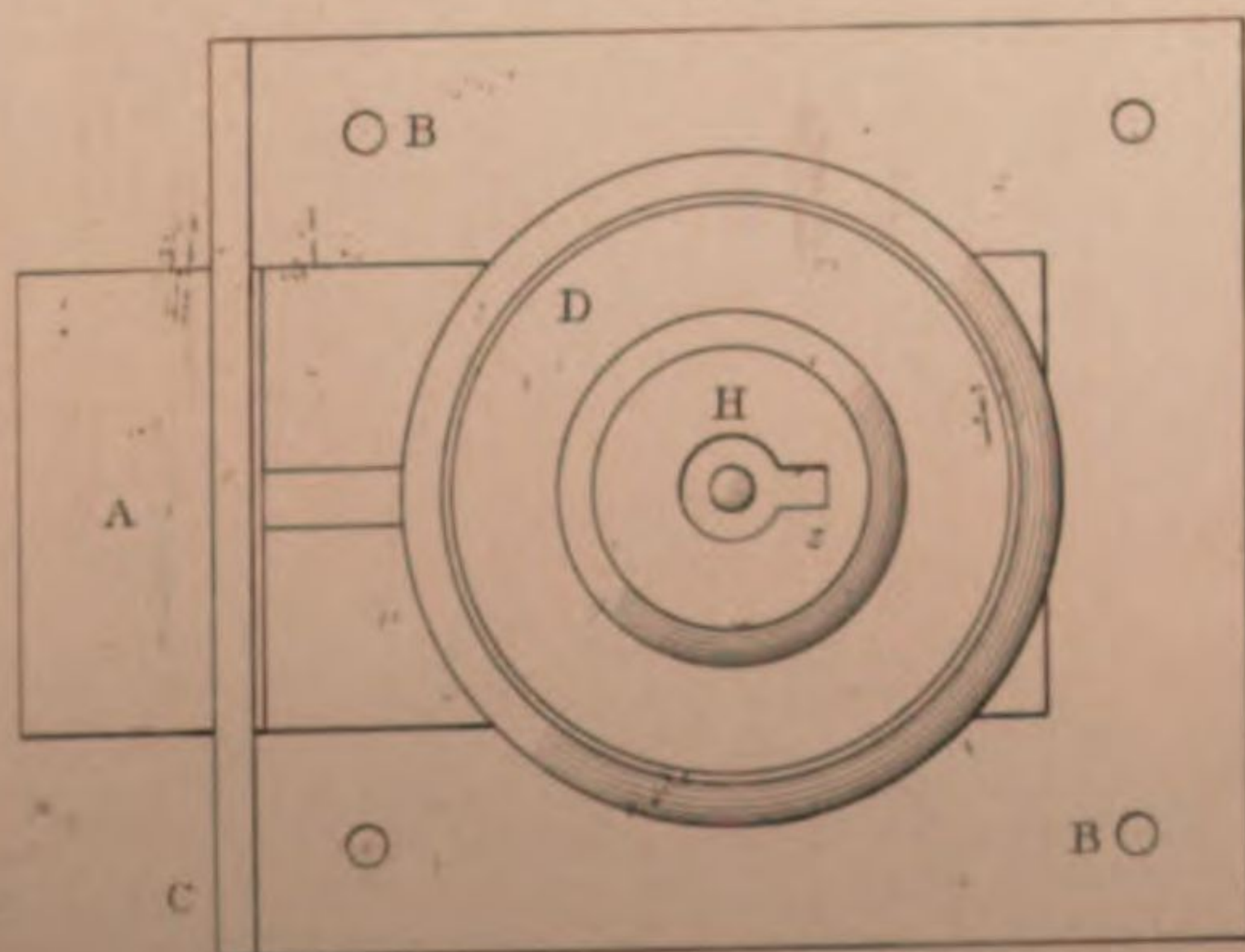
Bramah's Lock



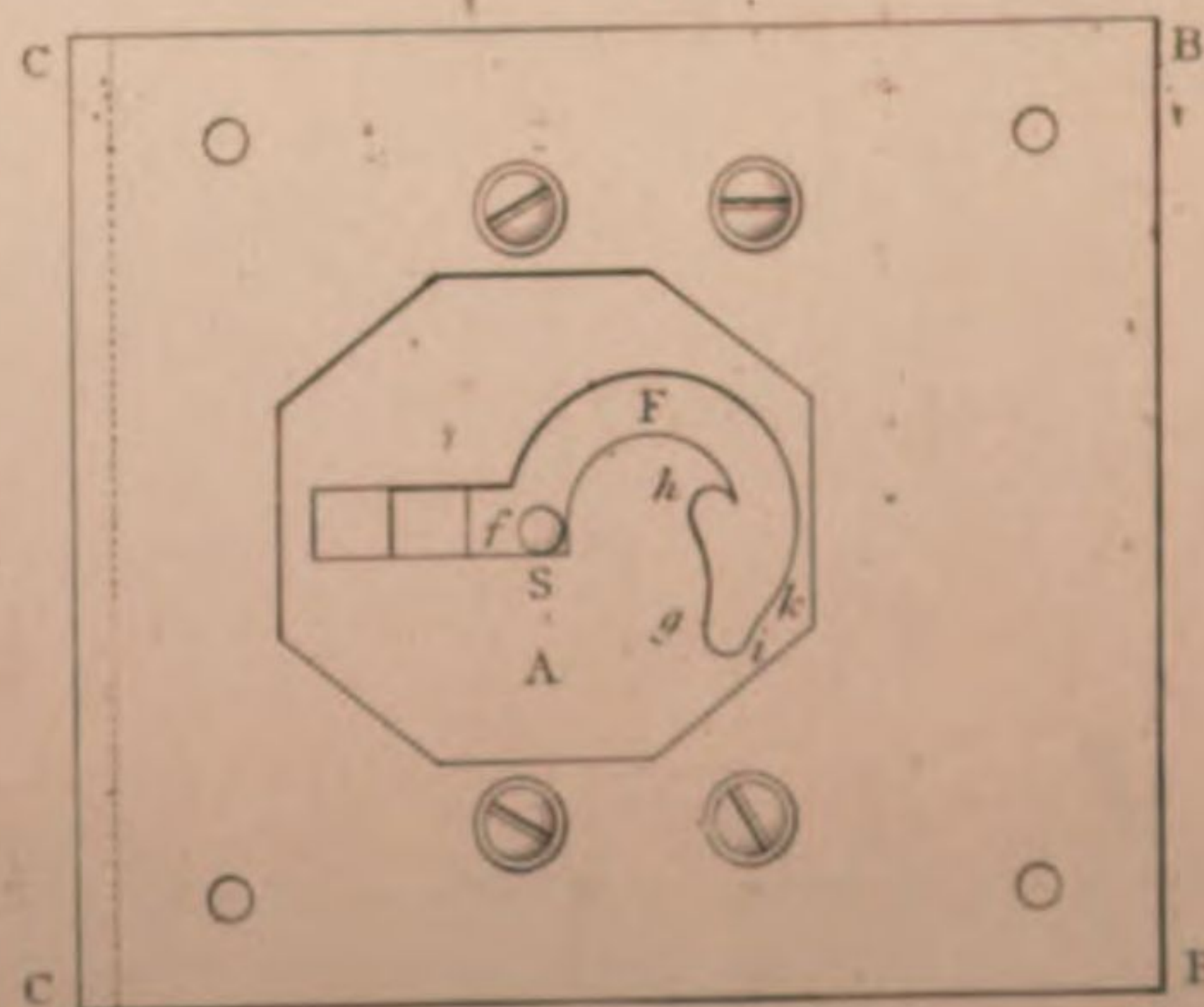
Combination Lock

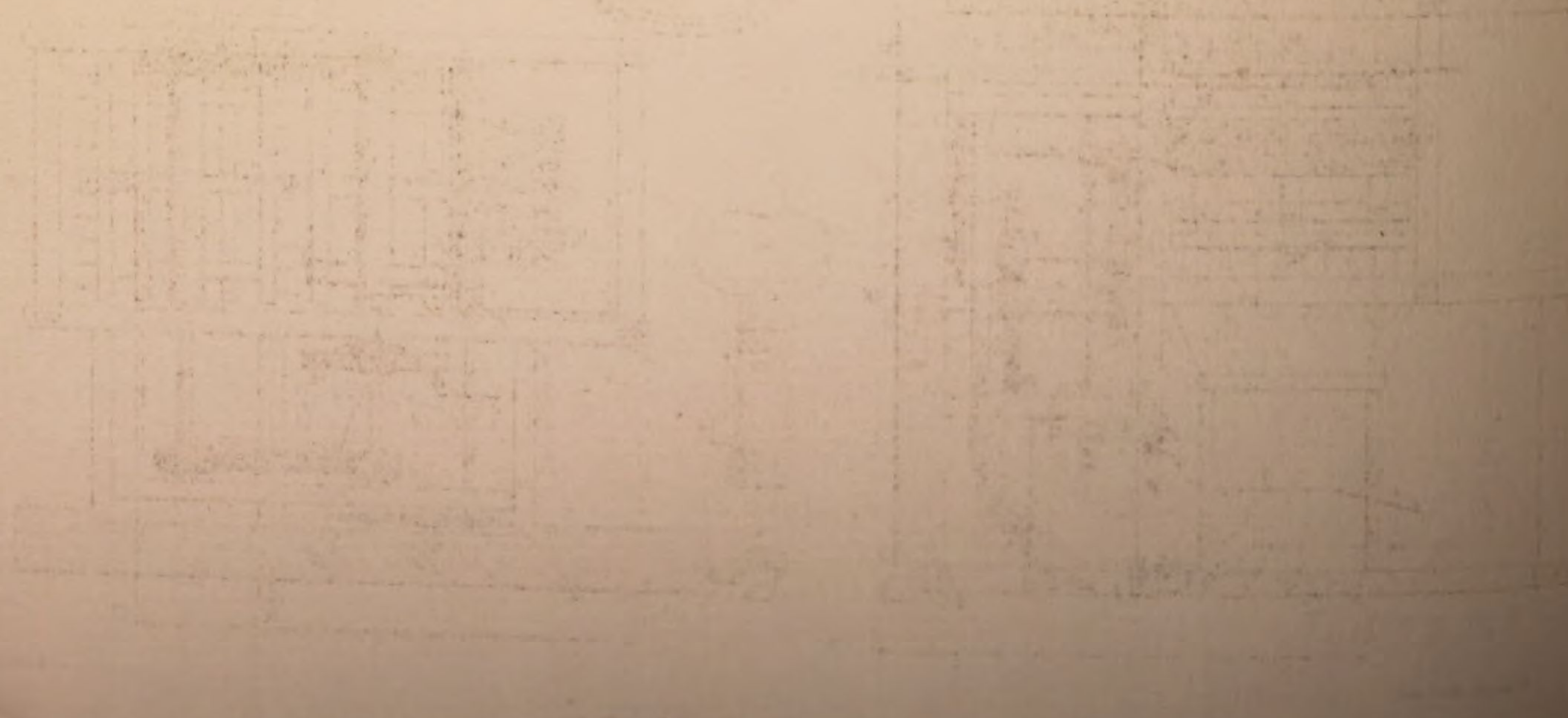
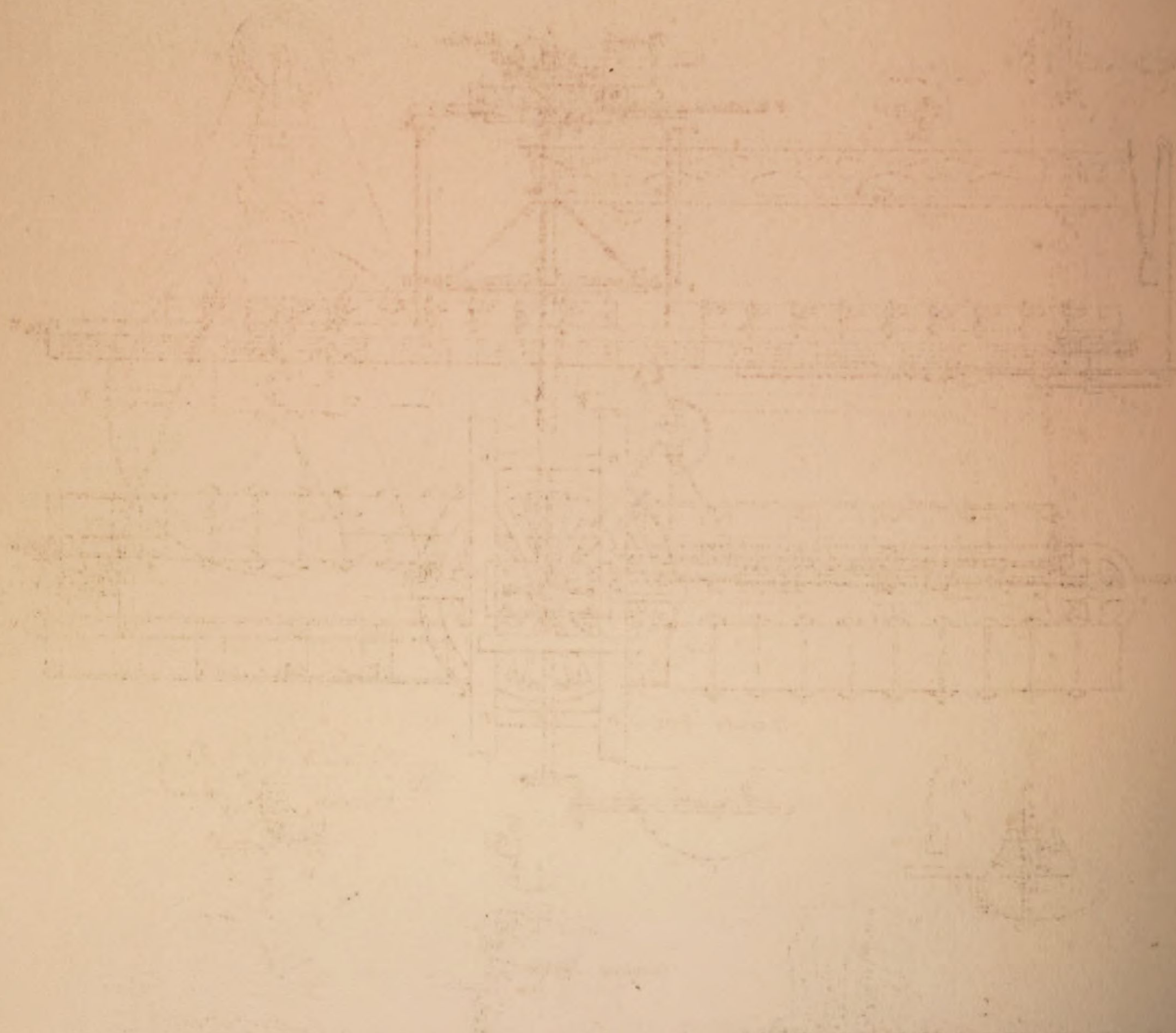


3



4



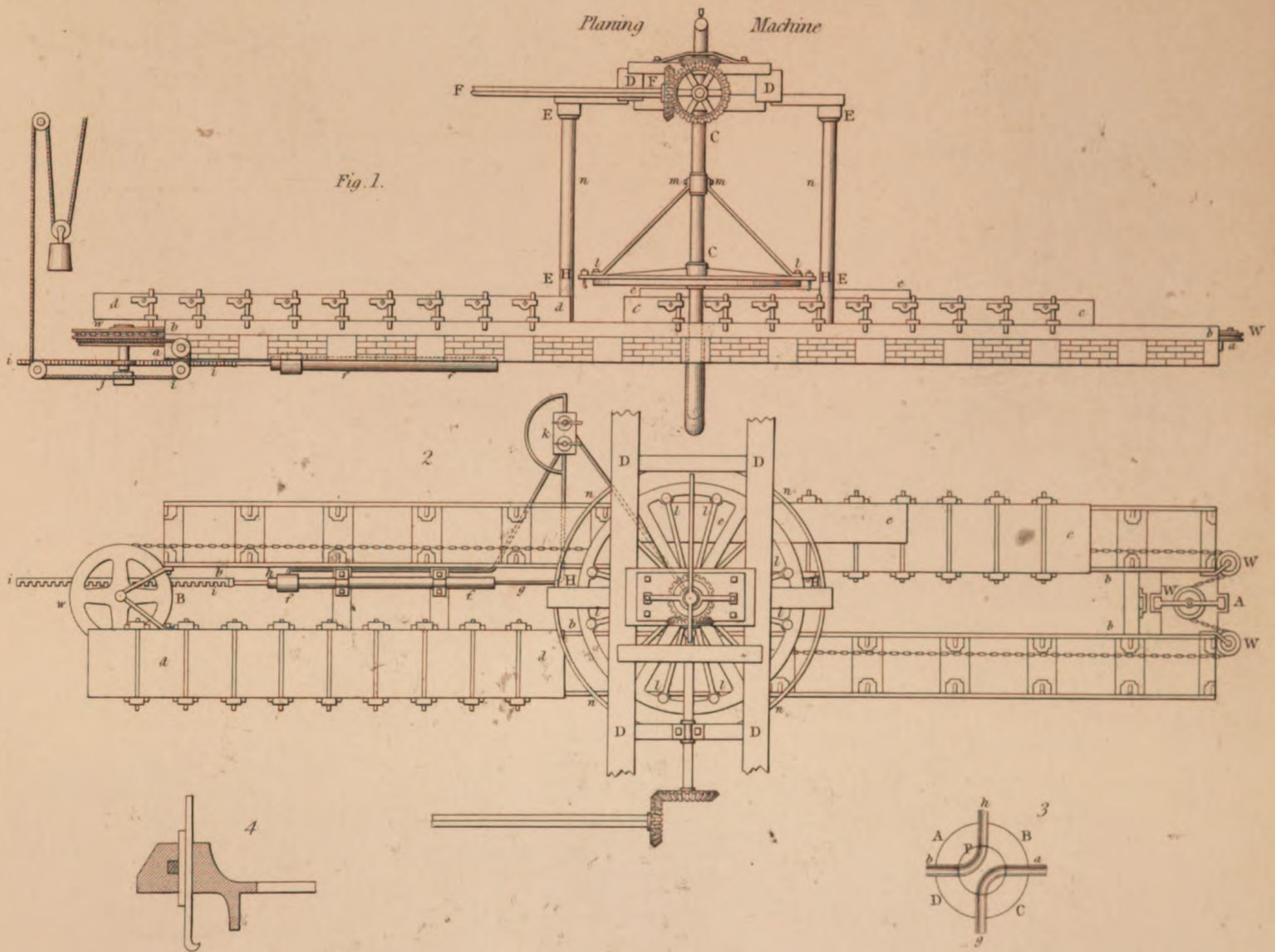


MANUFACTURES.

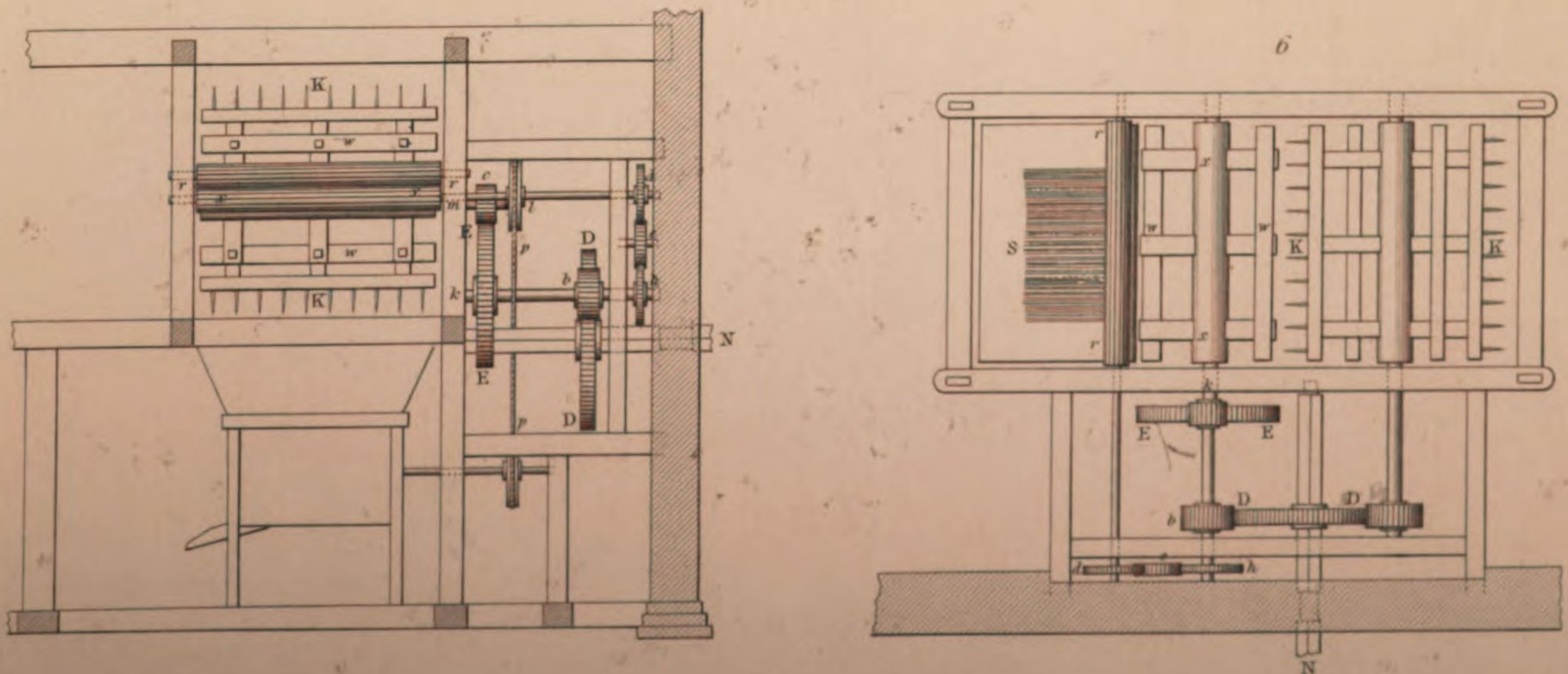
MISCELLANEOUS MACHINES

PLATE XXXIII

Planing Machine



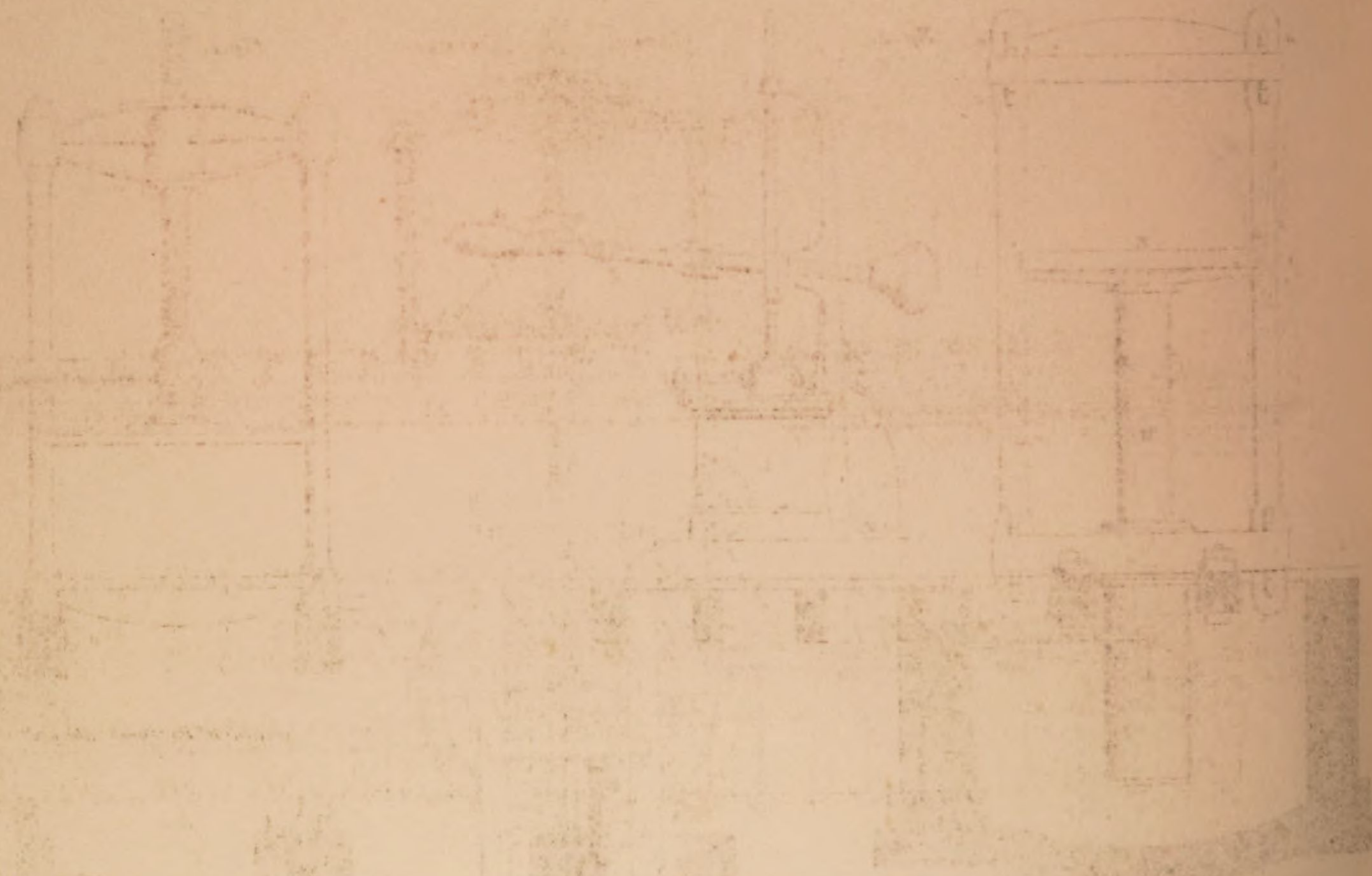
Threshing Machine



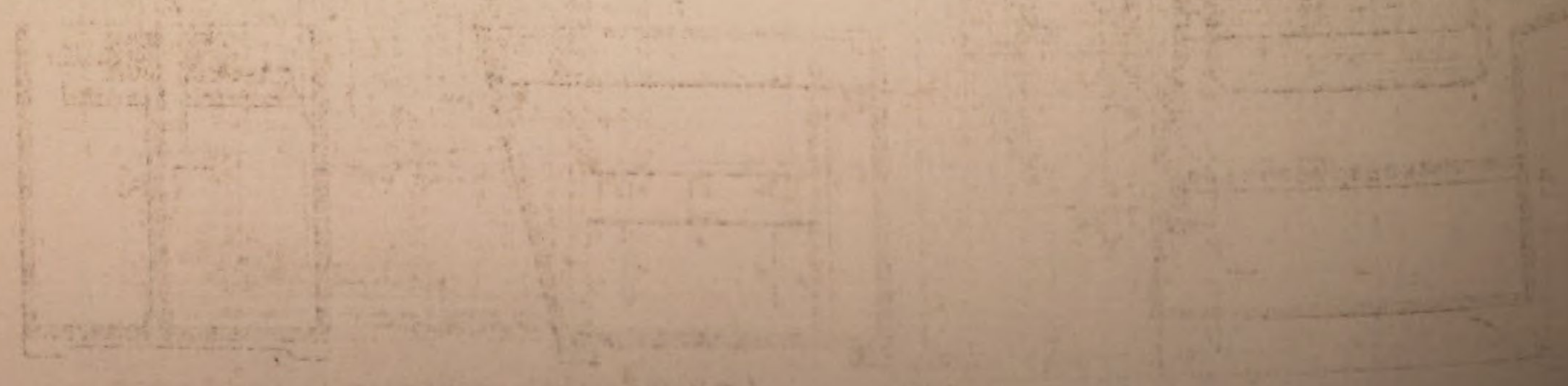
1871-1872

1871-1872

1871-1872



1871-1872

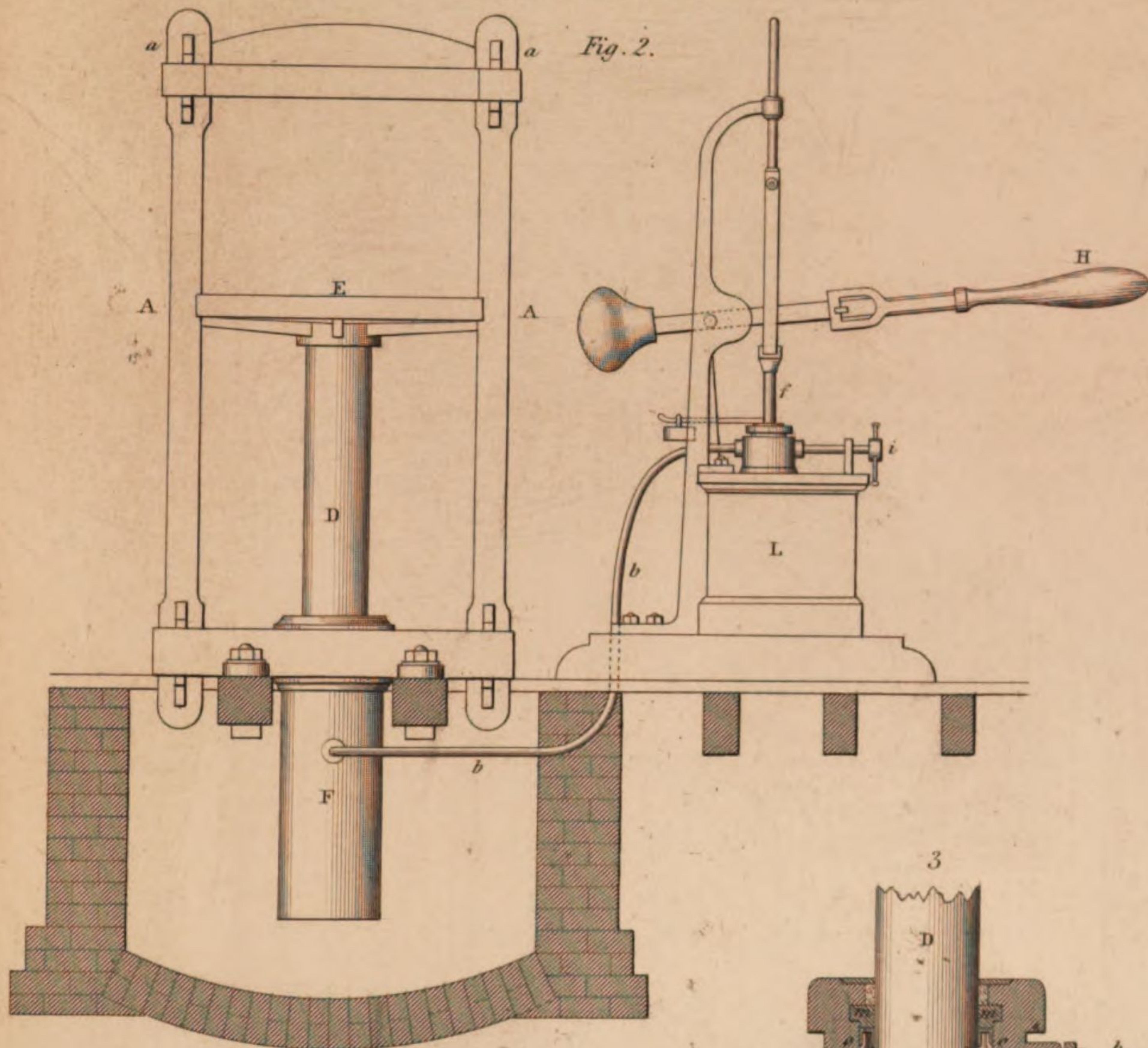


MANUFACTURES.

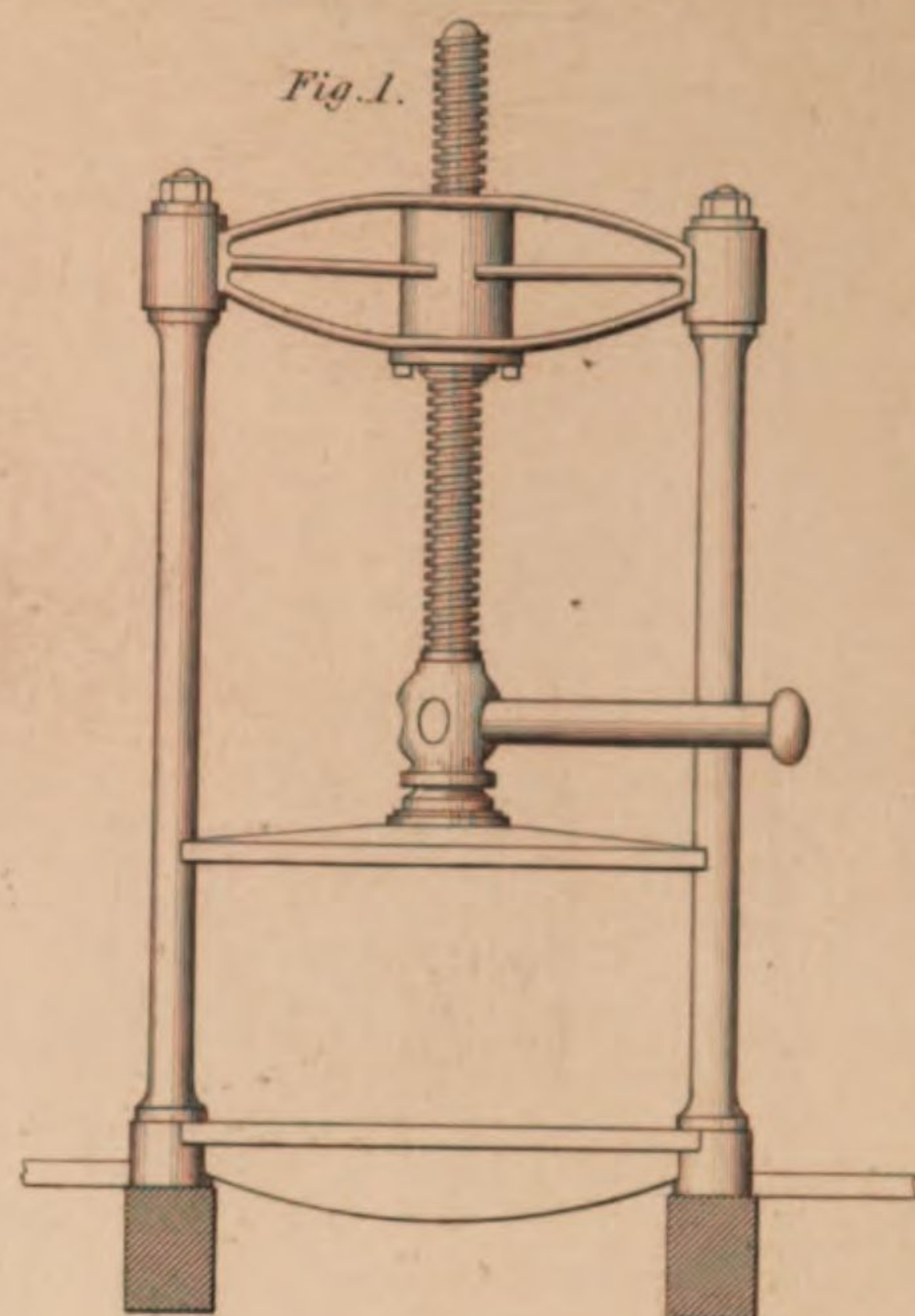
PRESSES.

PLATE XXIV.

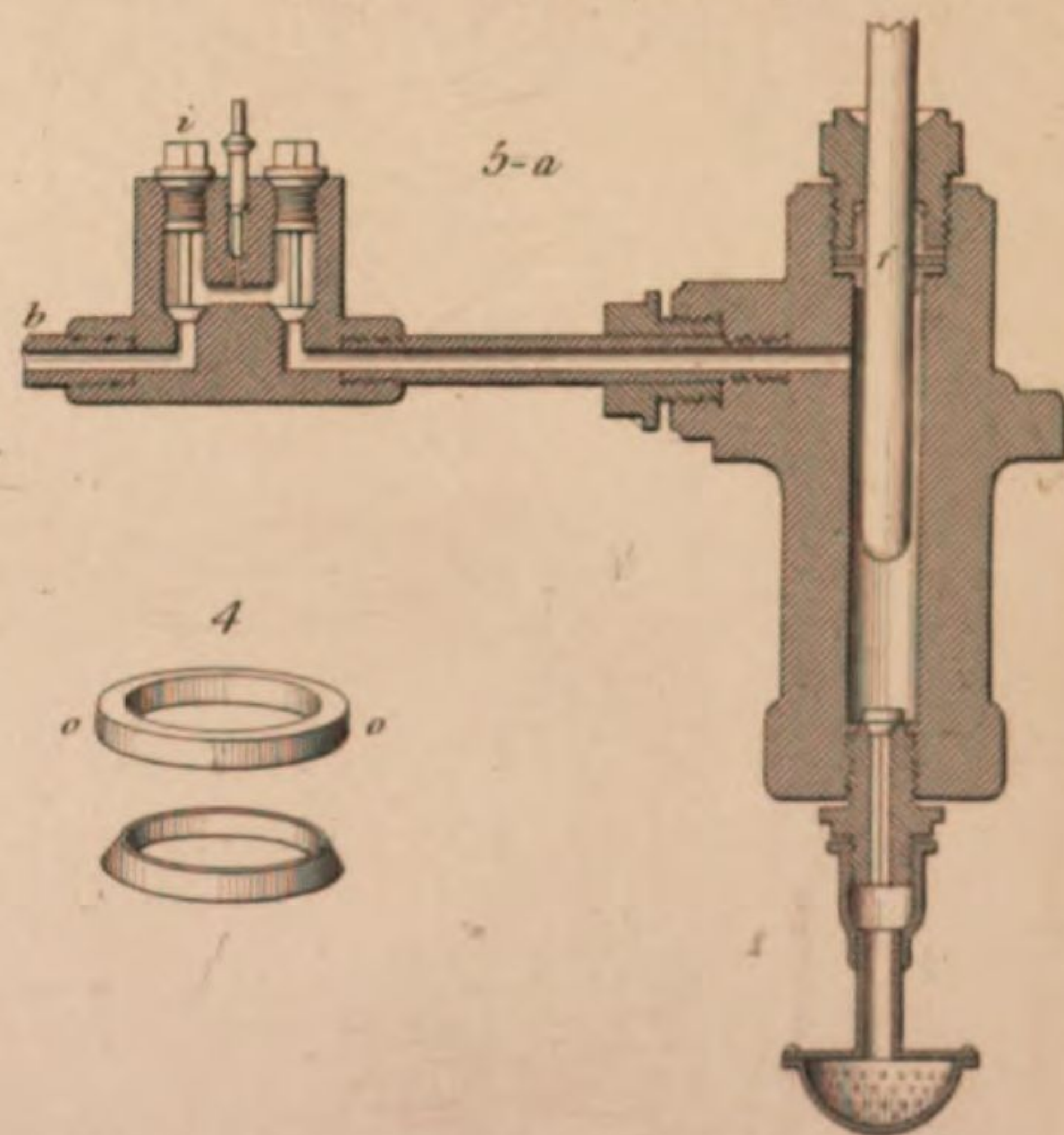
Hydrostatic Press.



Screw Press.

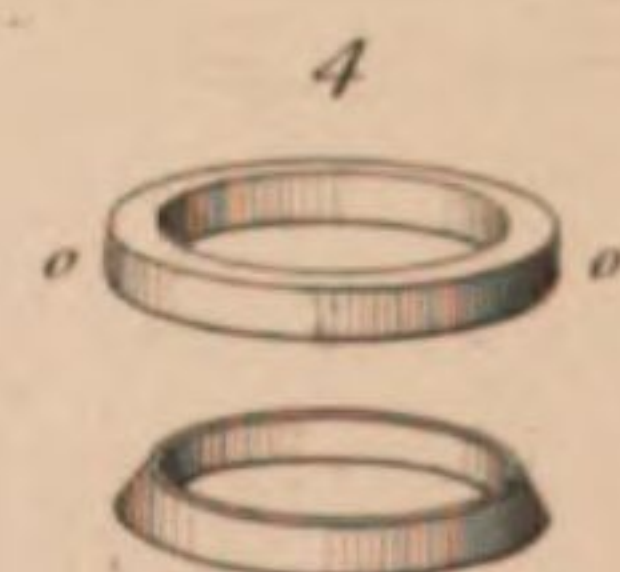
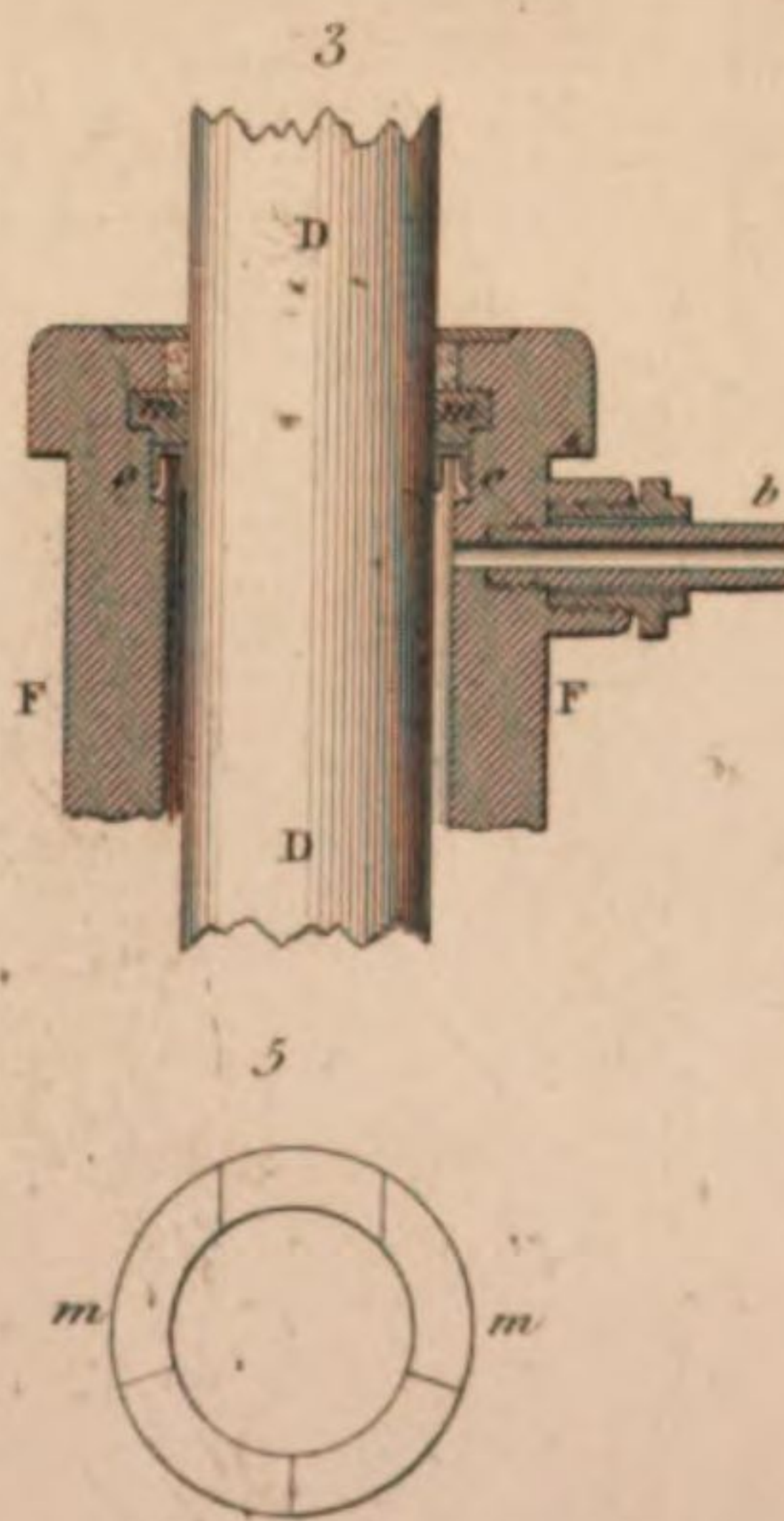
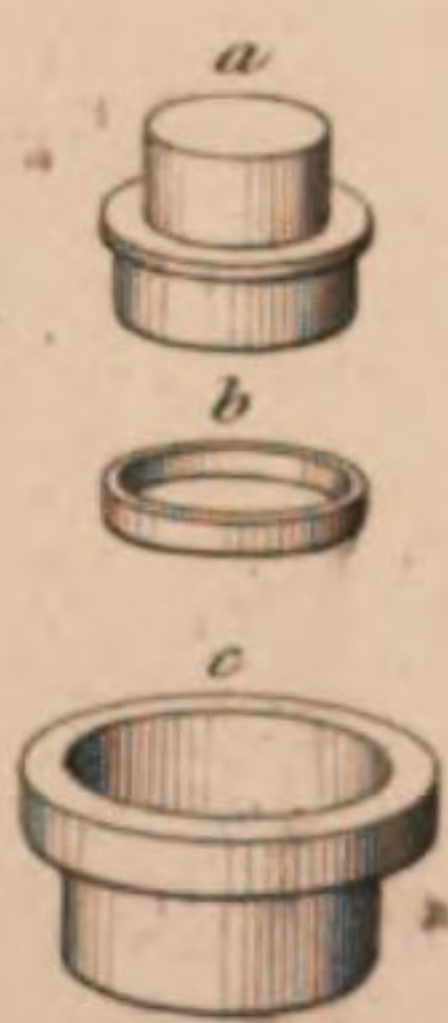
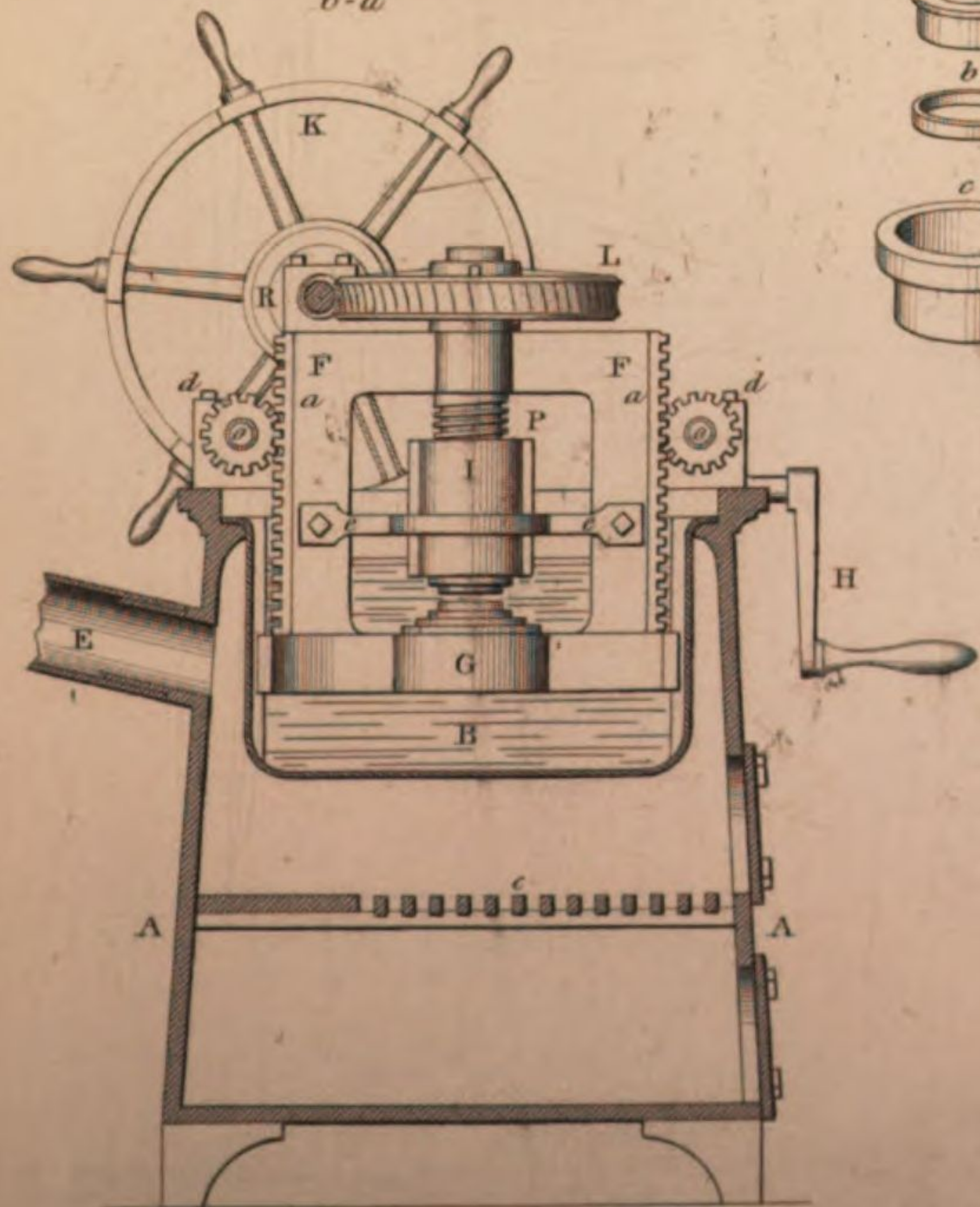


Section of the Pump enlarged.

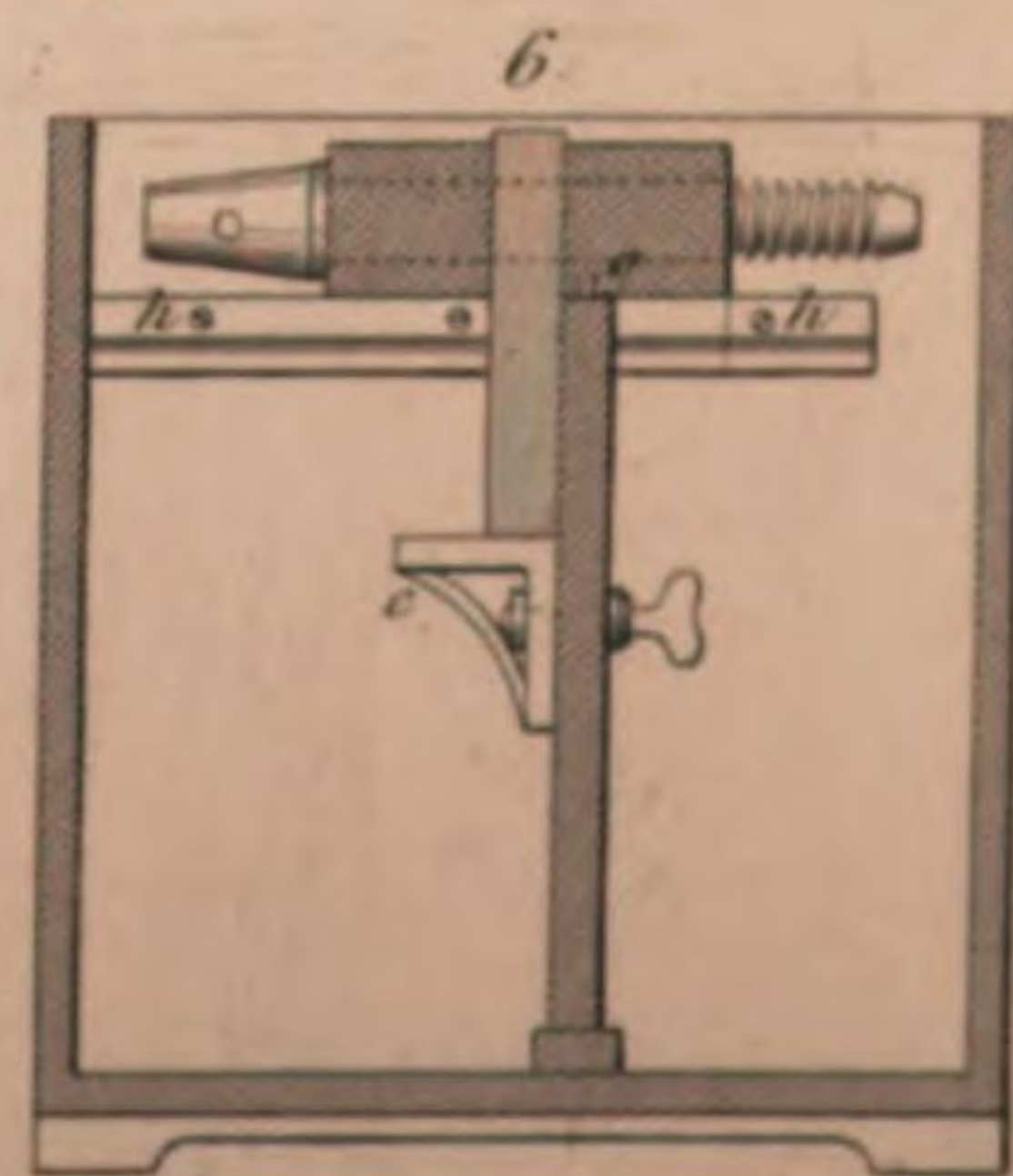
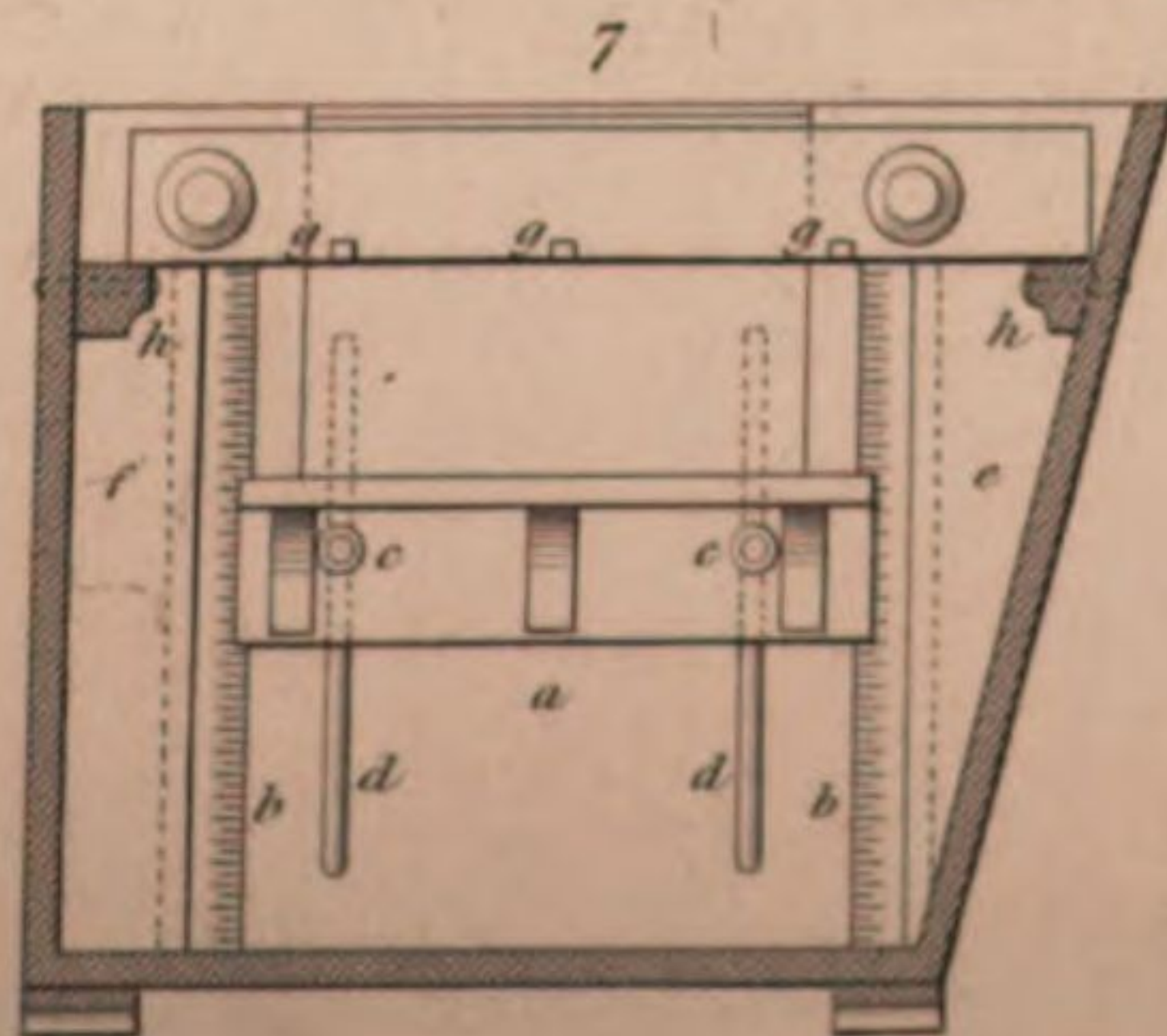


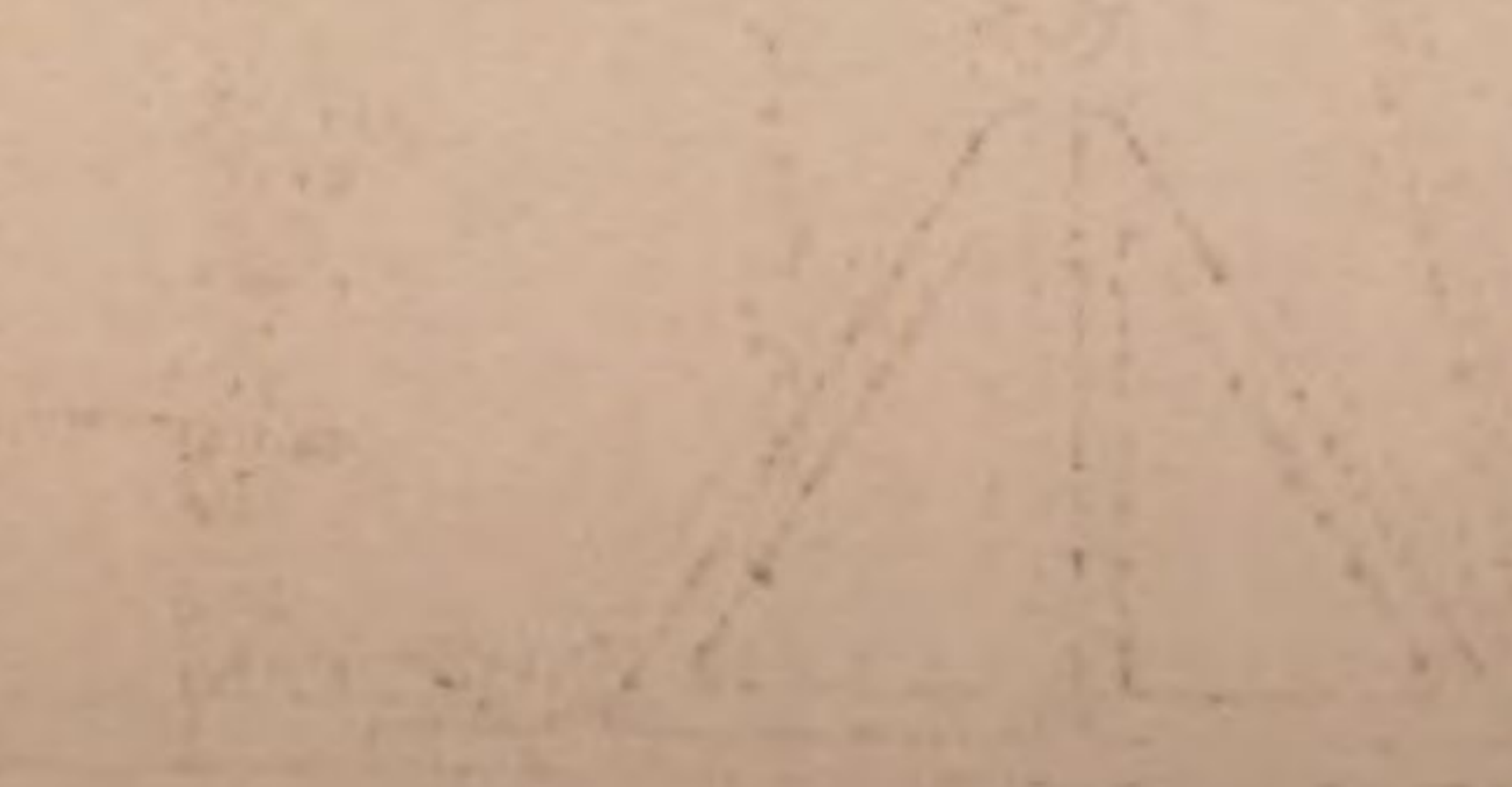
Horn Press.

6-a



Stationers Cutting Press.





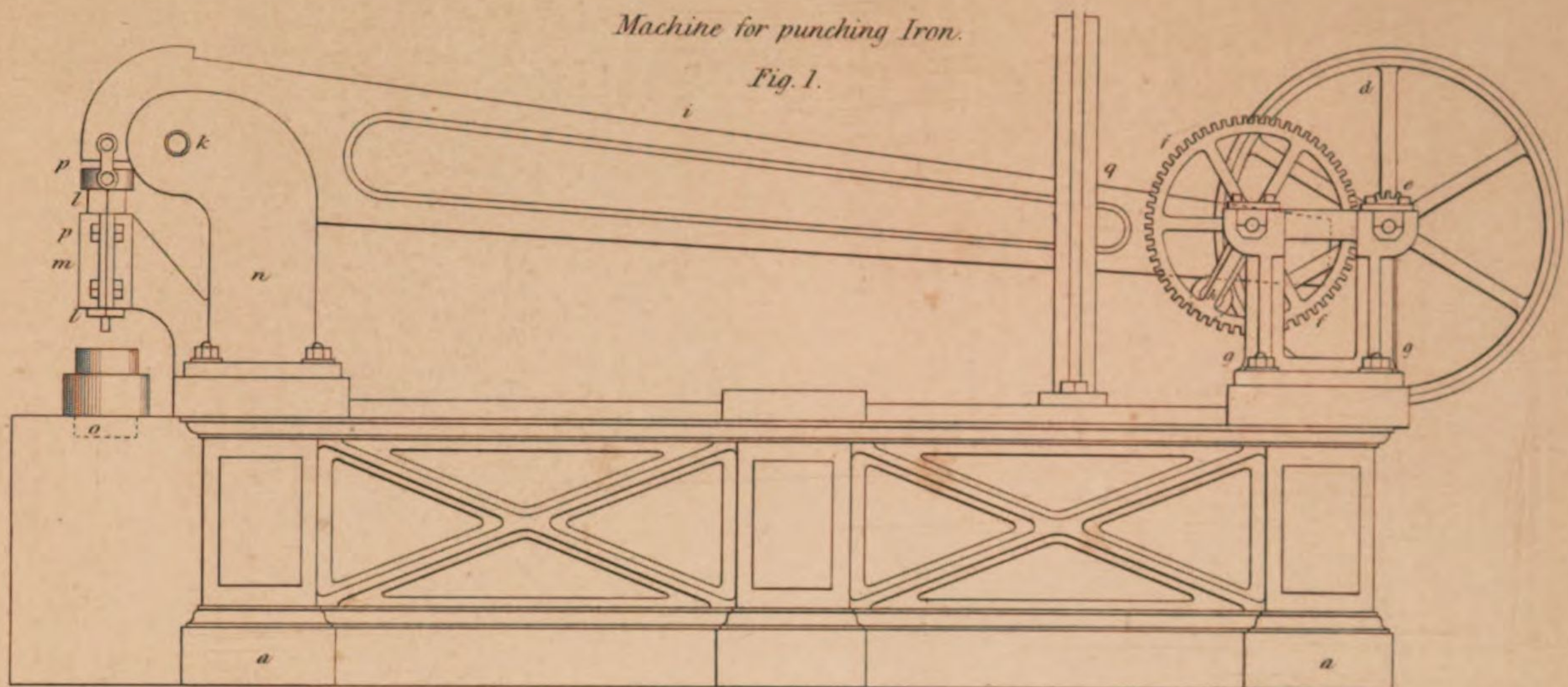
MANUFACTURES.

MISCELLANEOUS MACHINES.

PLATE XXIV.

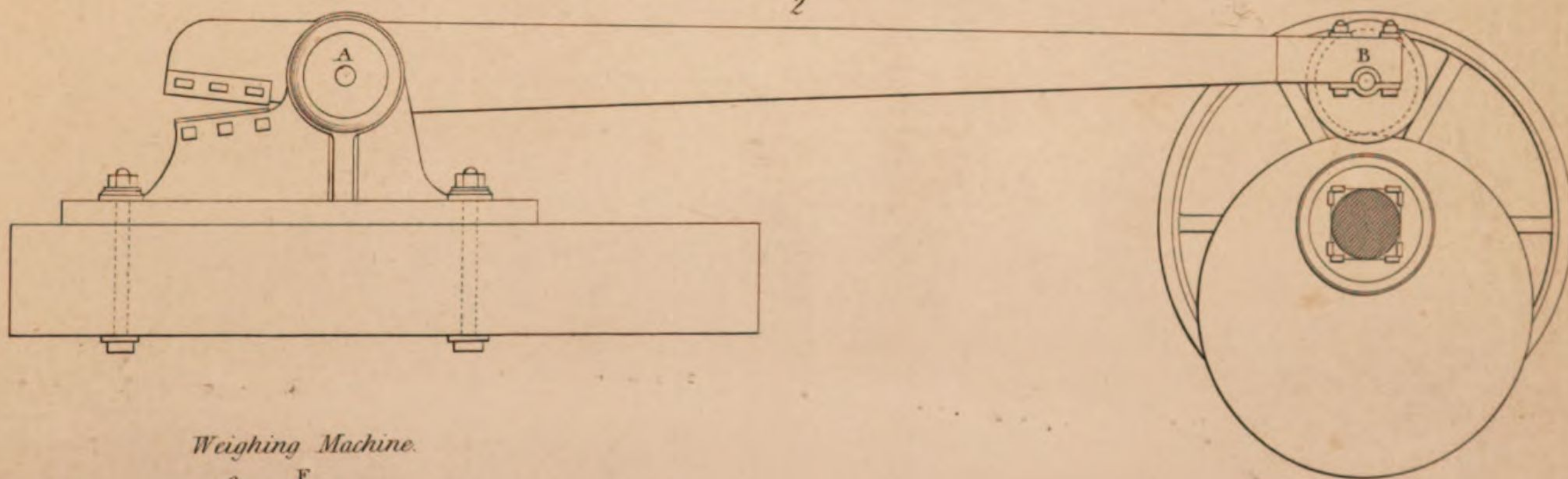
Machine for punching Iron.

Fig. 1.



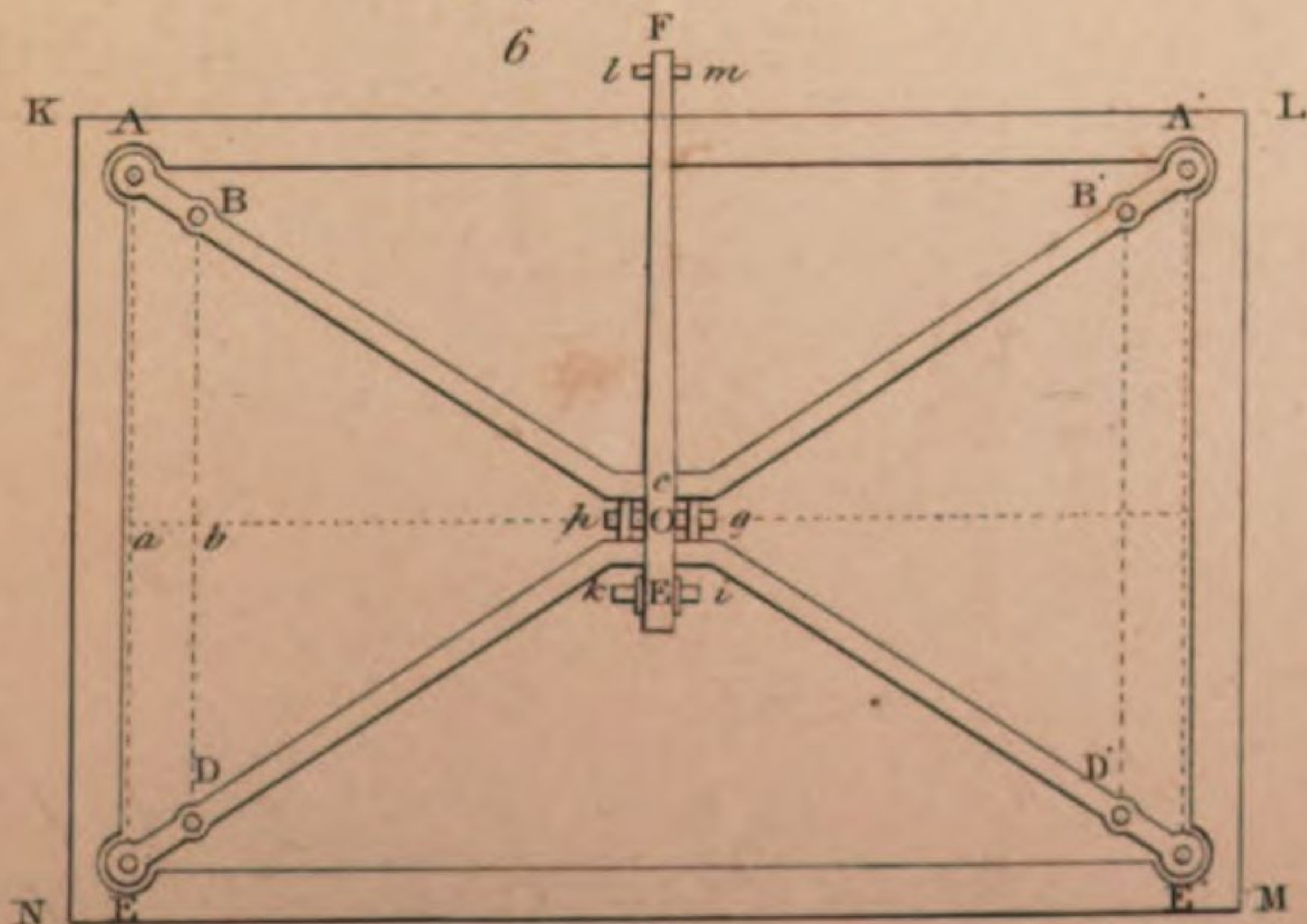
Shears for cutting Iron.

2



Weighing Machine.

6



Apparatus for silvering looking glasses.

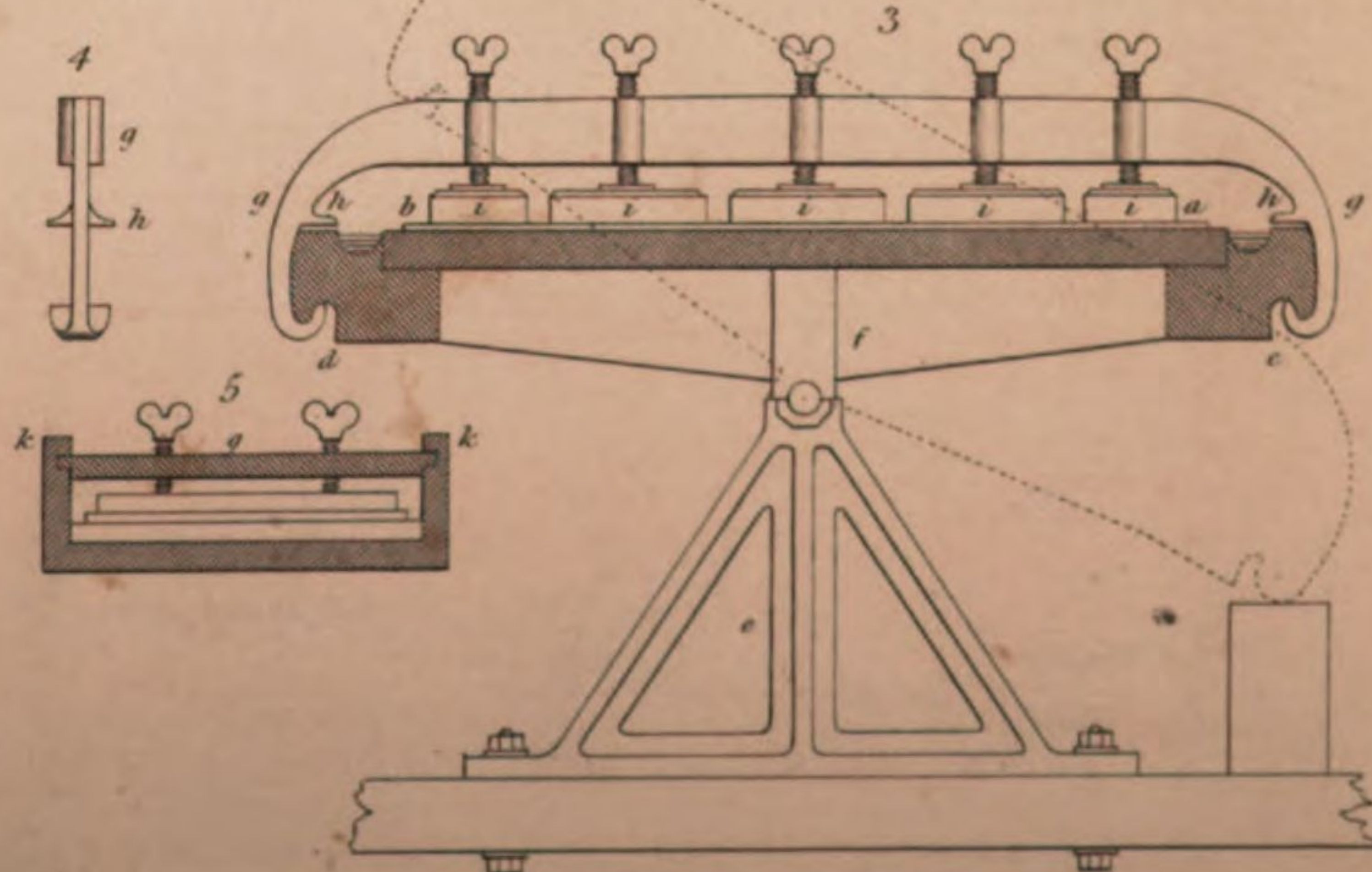
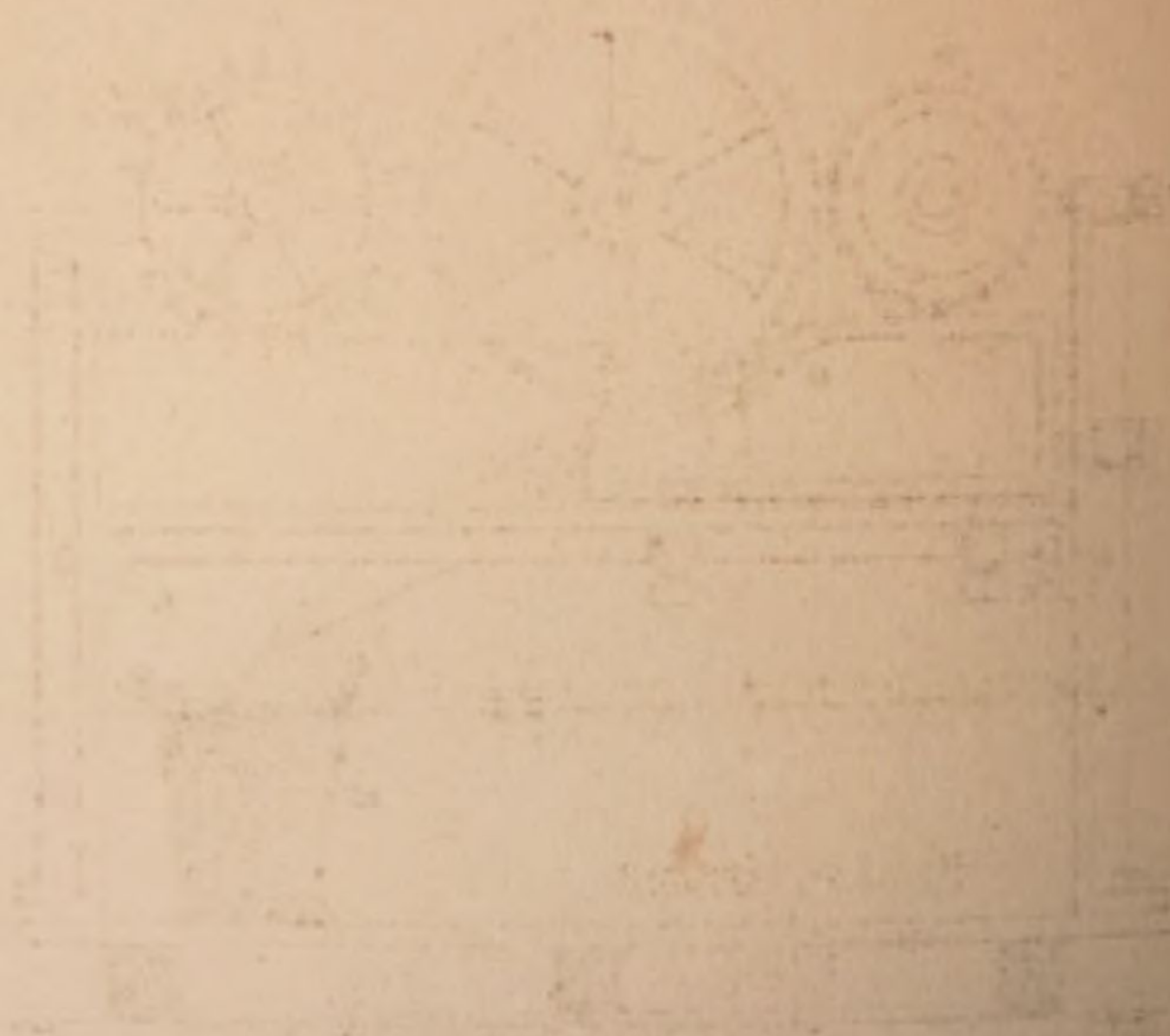




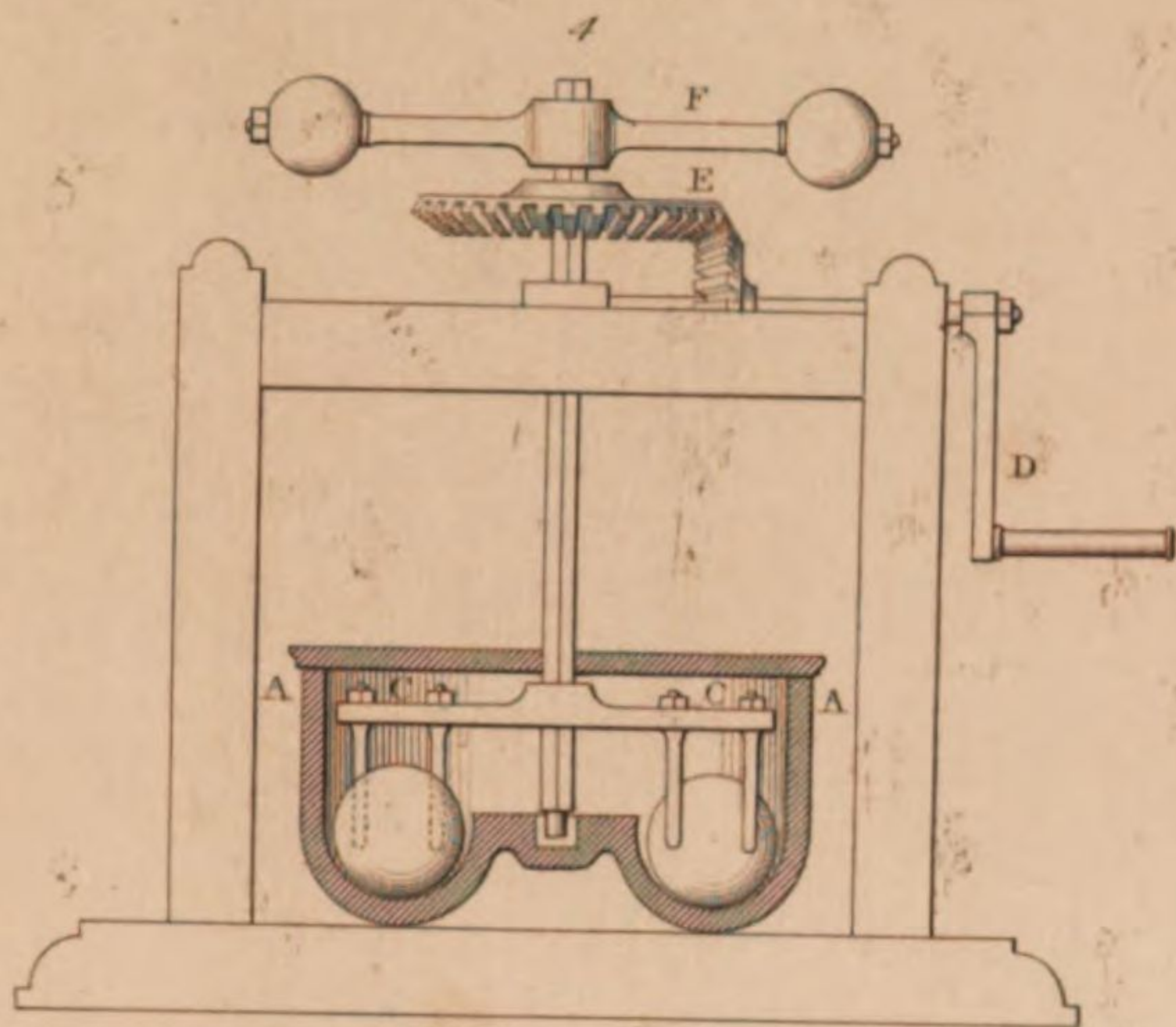
Fig. 1



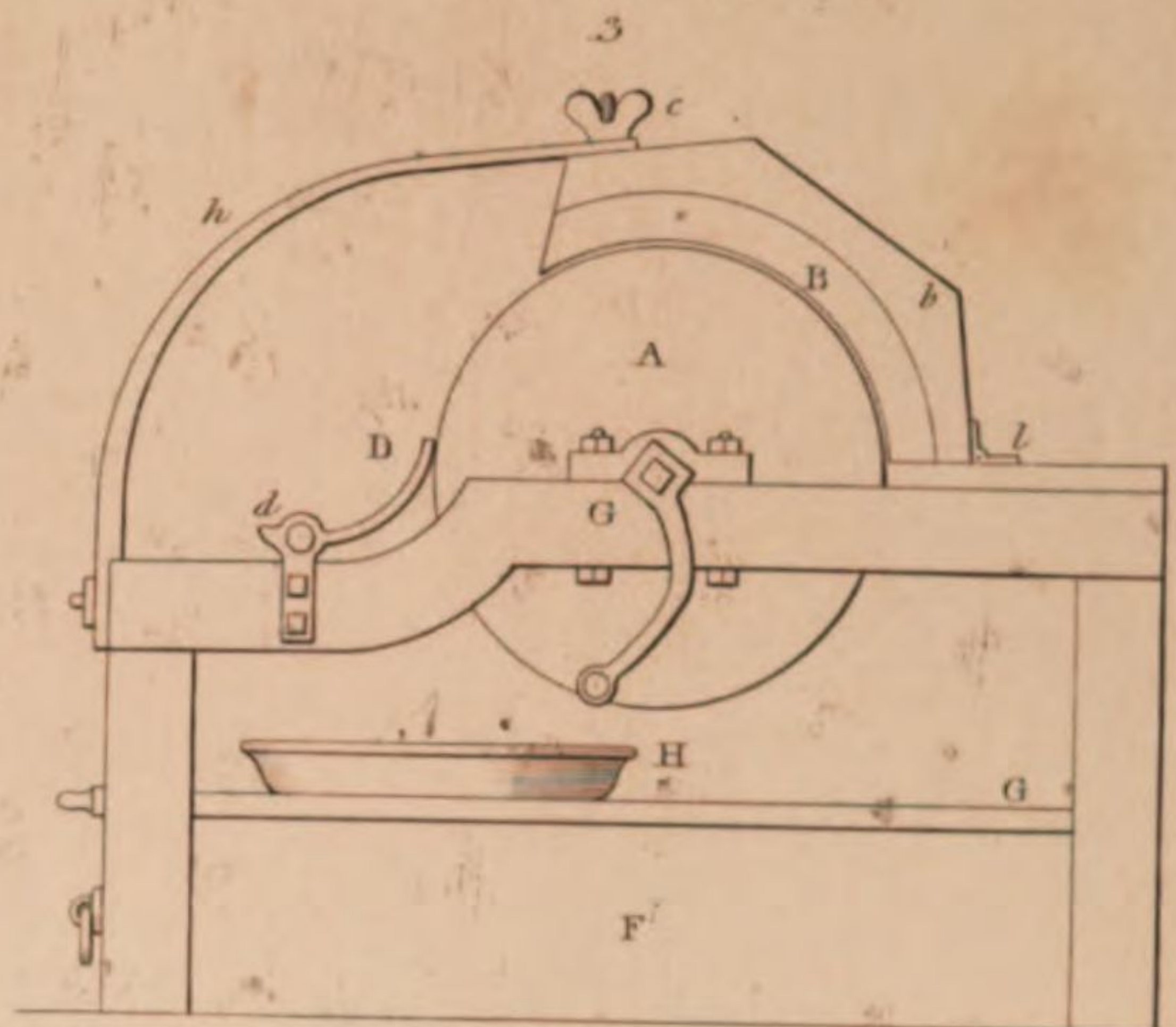
MILLS.

Bark and Colour mills.

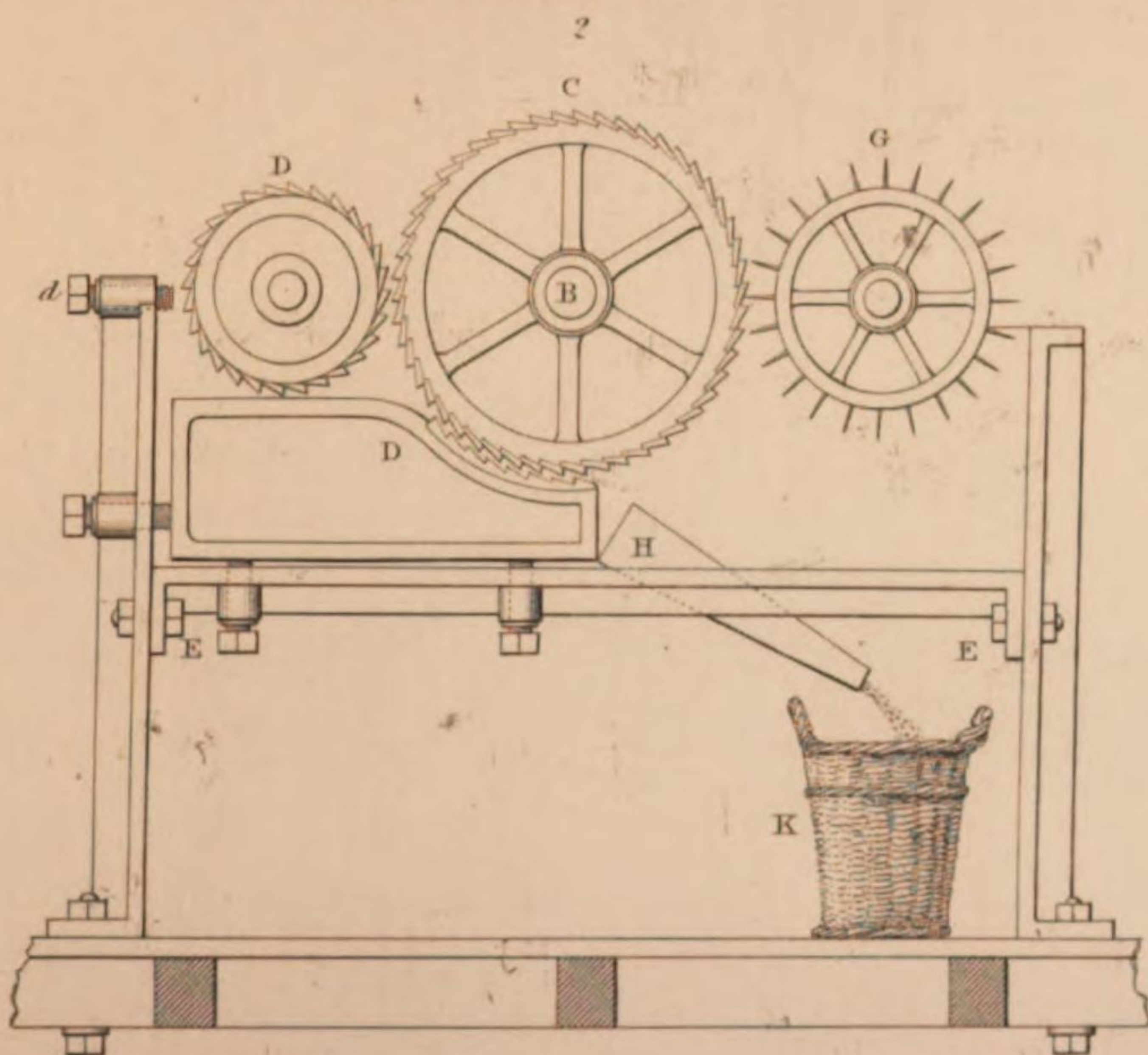
Indigo Mill.



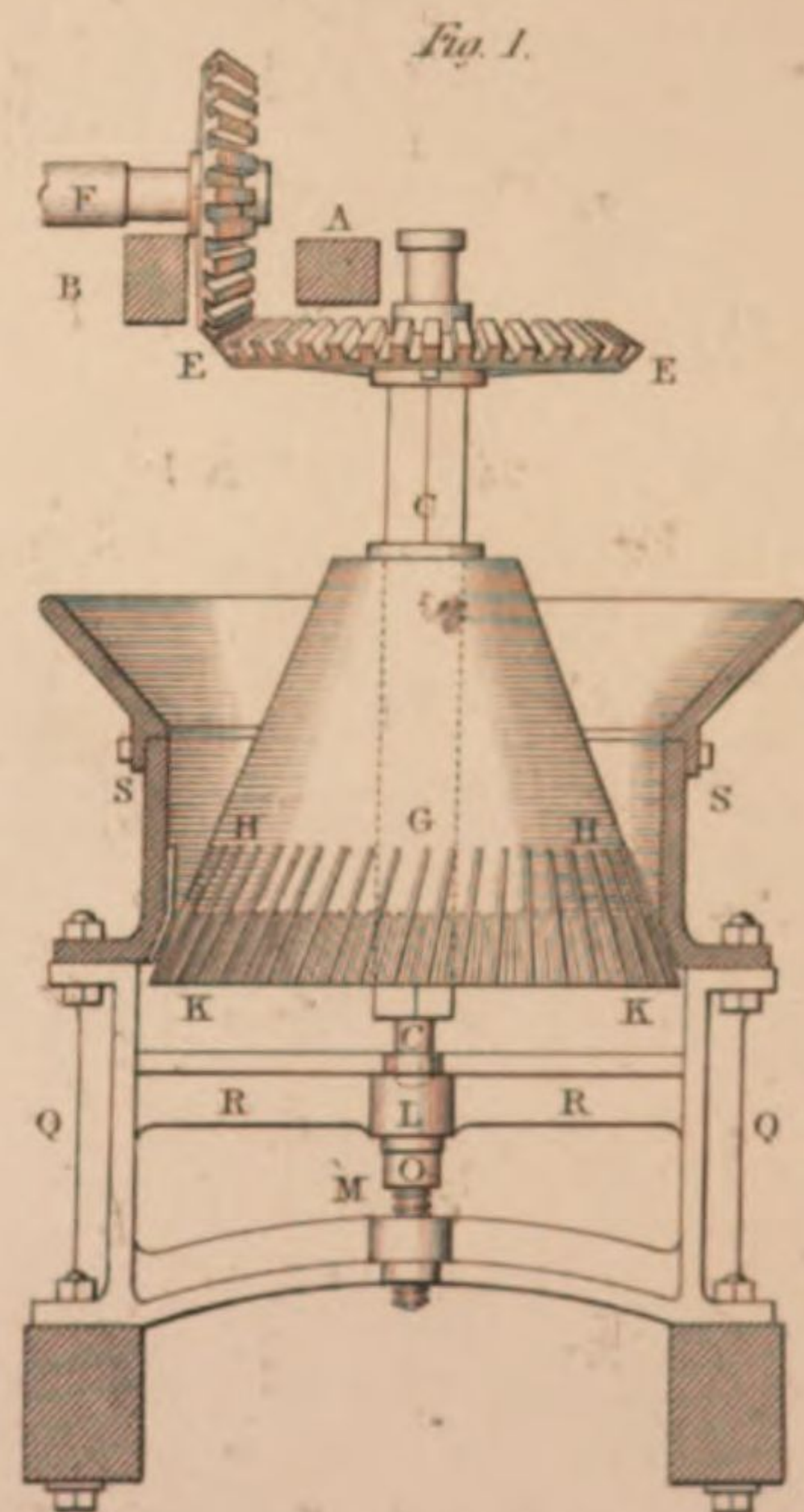
Rawlinson's Colour Mill.



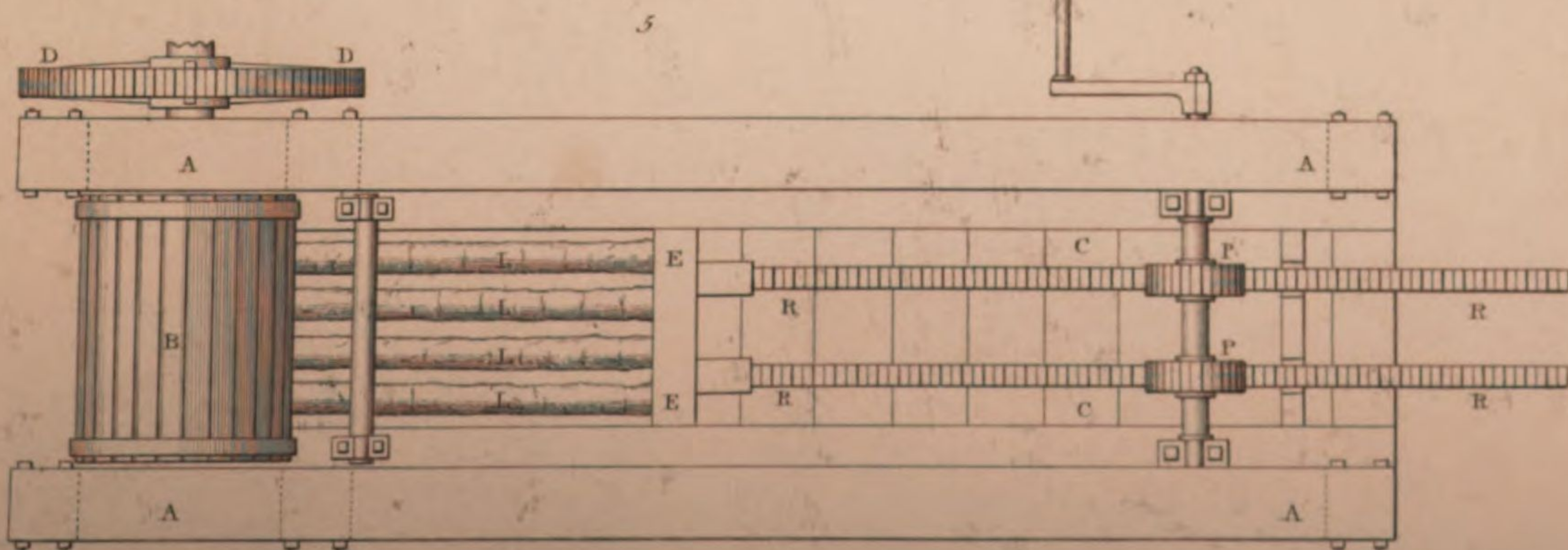
Chapman's Bark Mill.

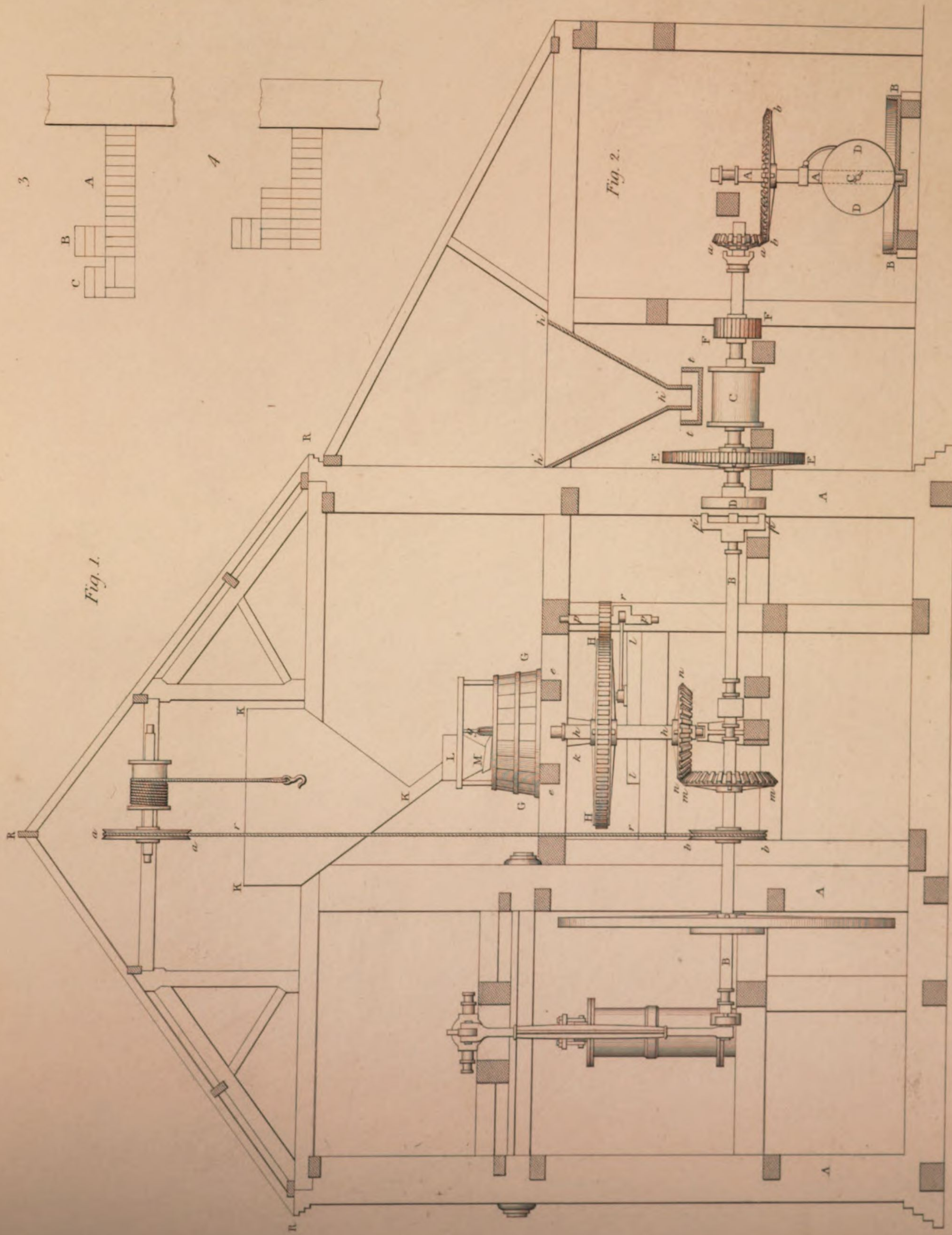


Weldon's Bark Mill.

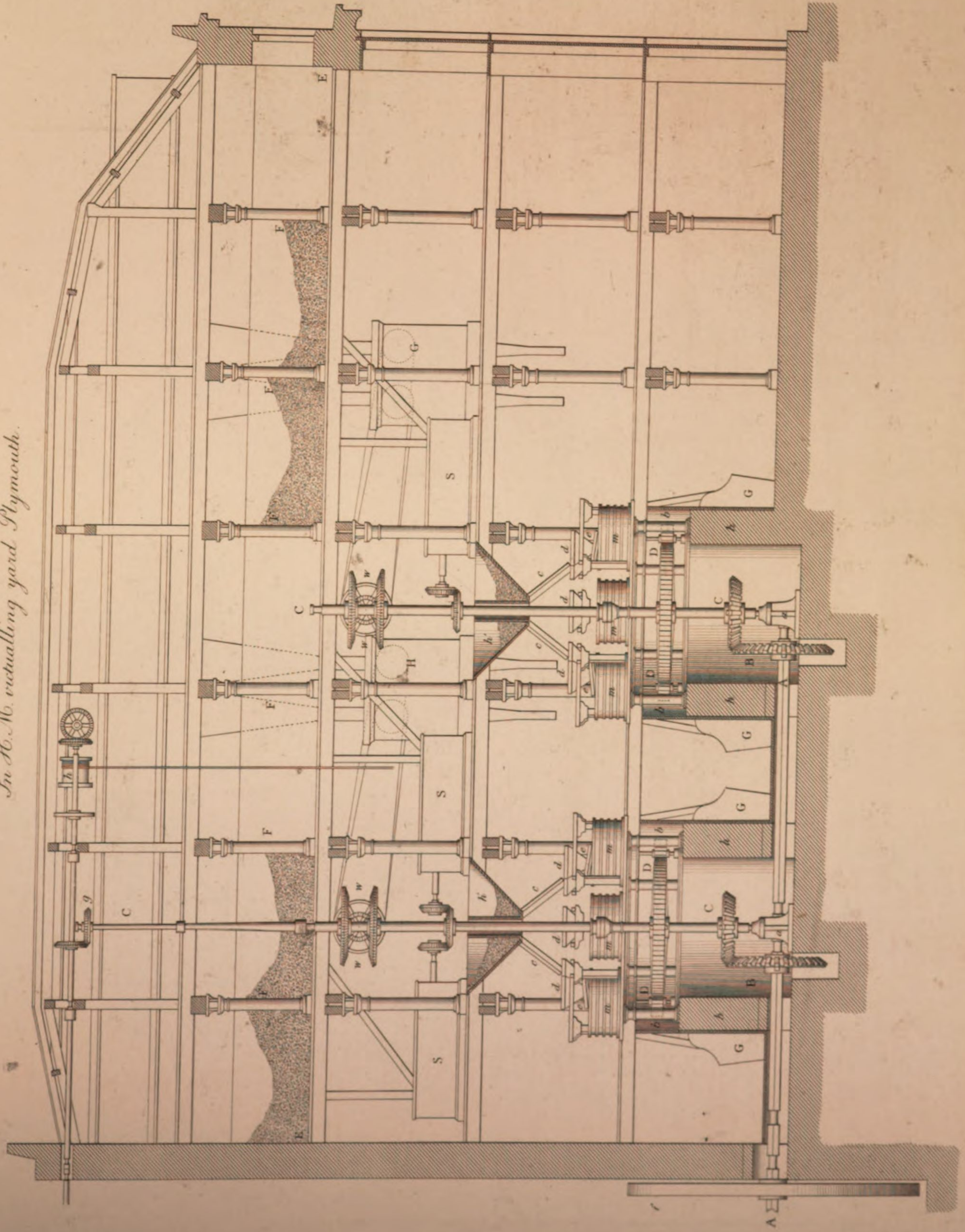


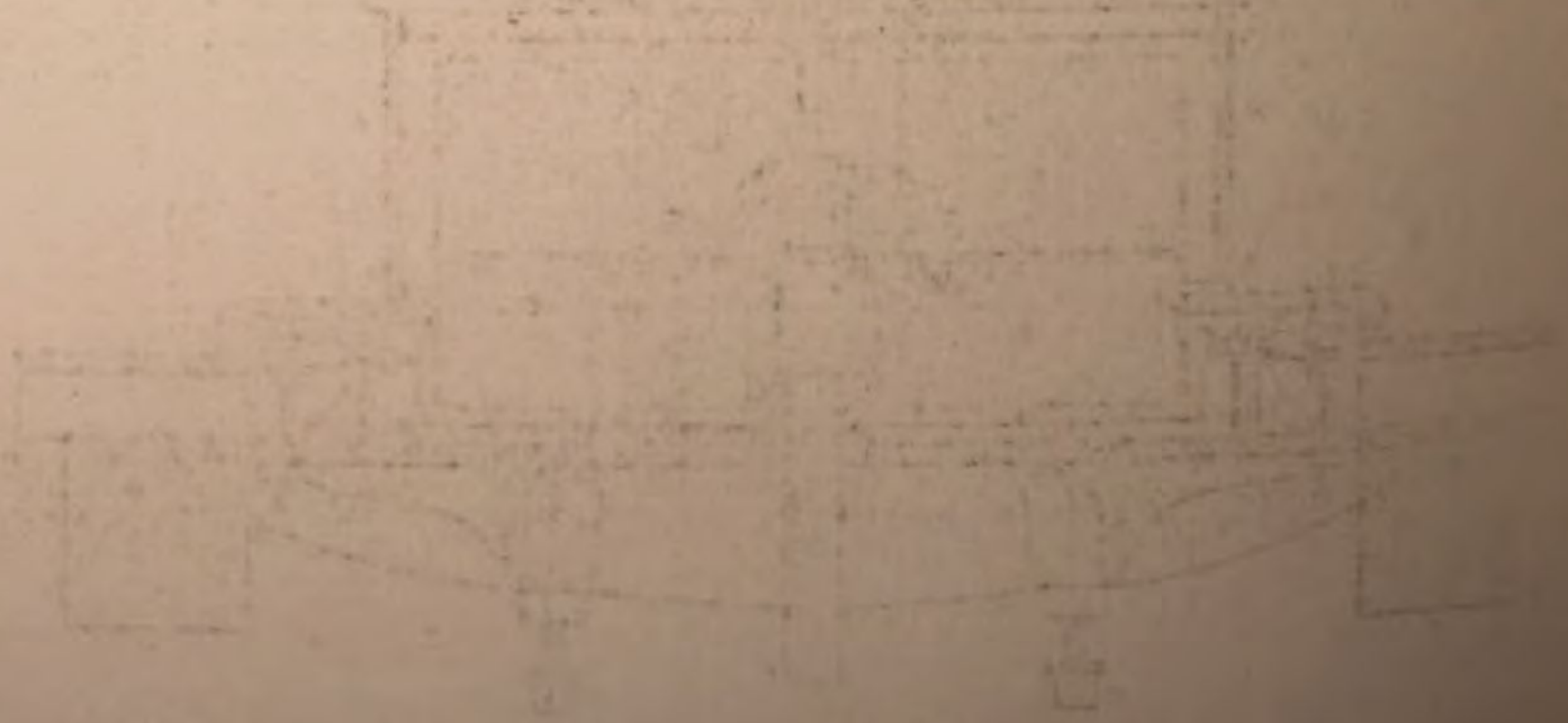
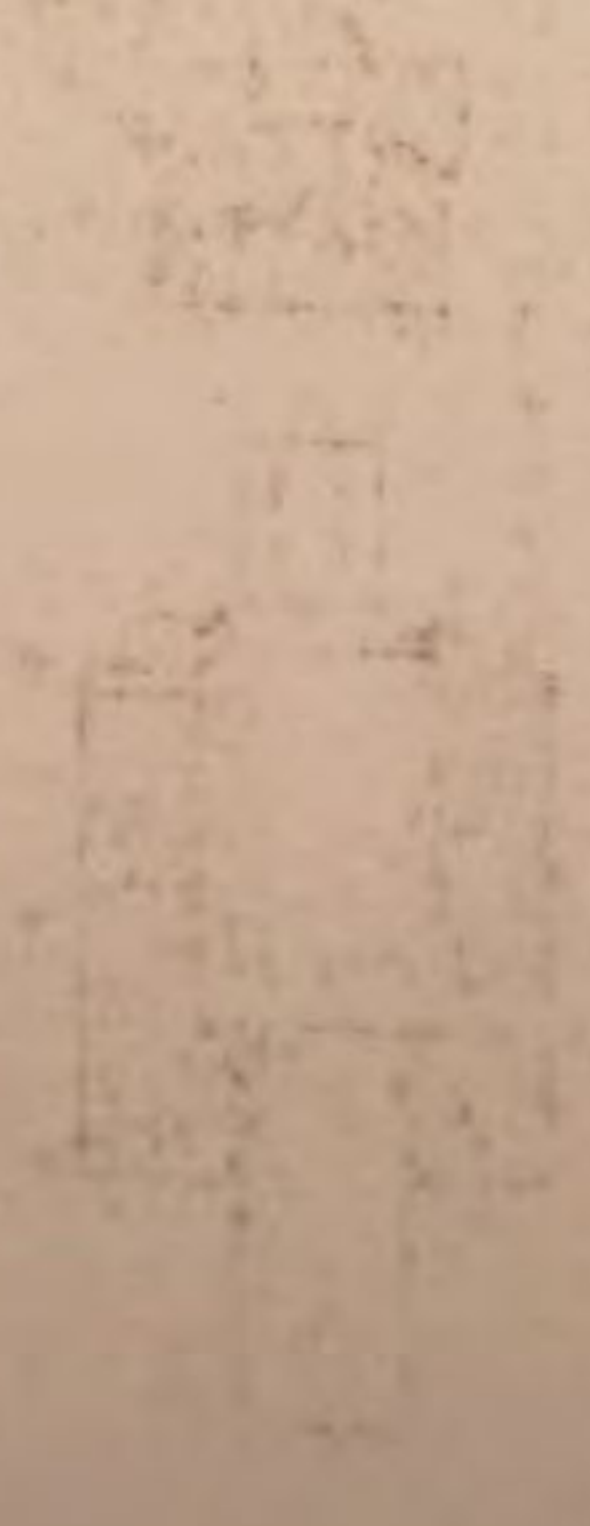
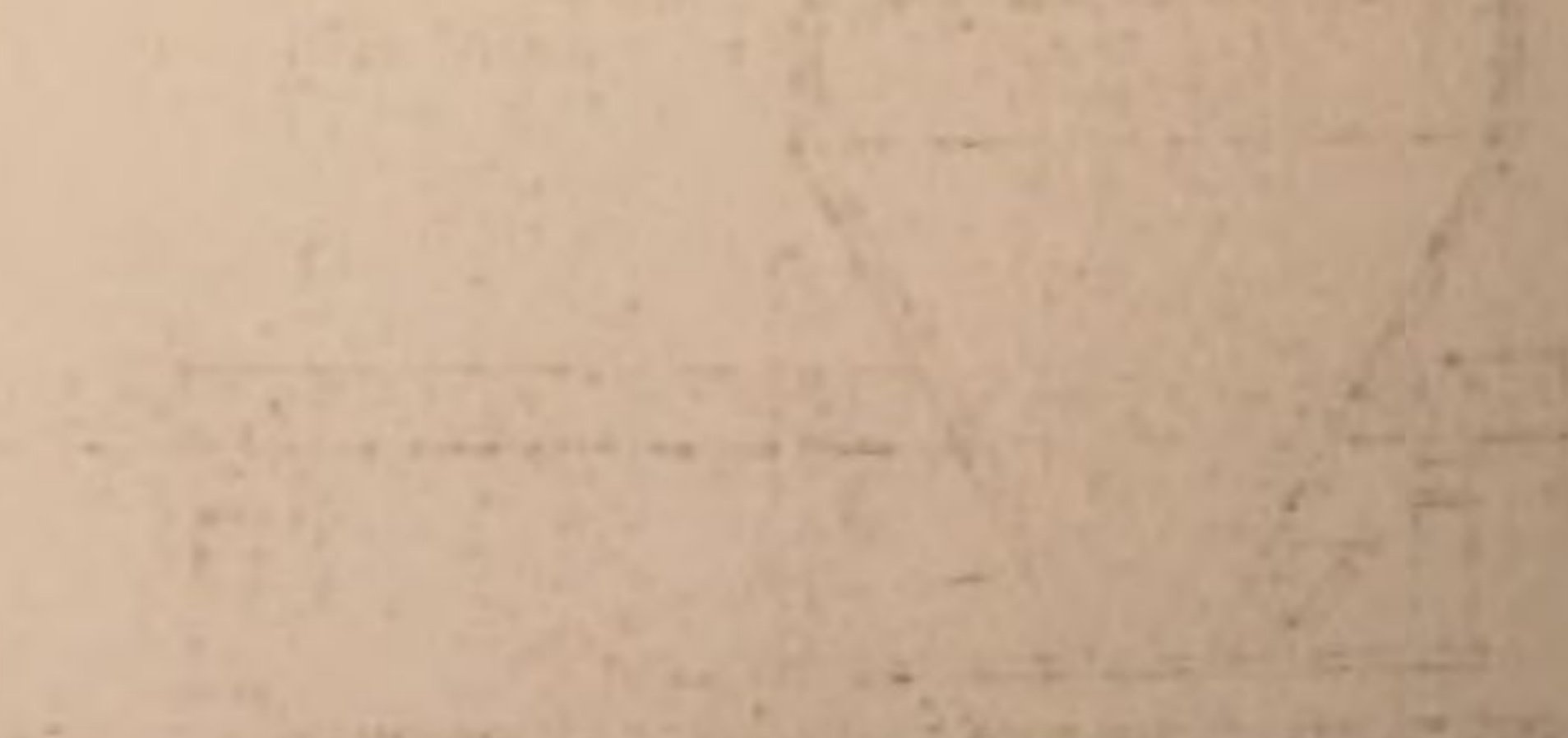
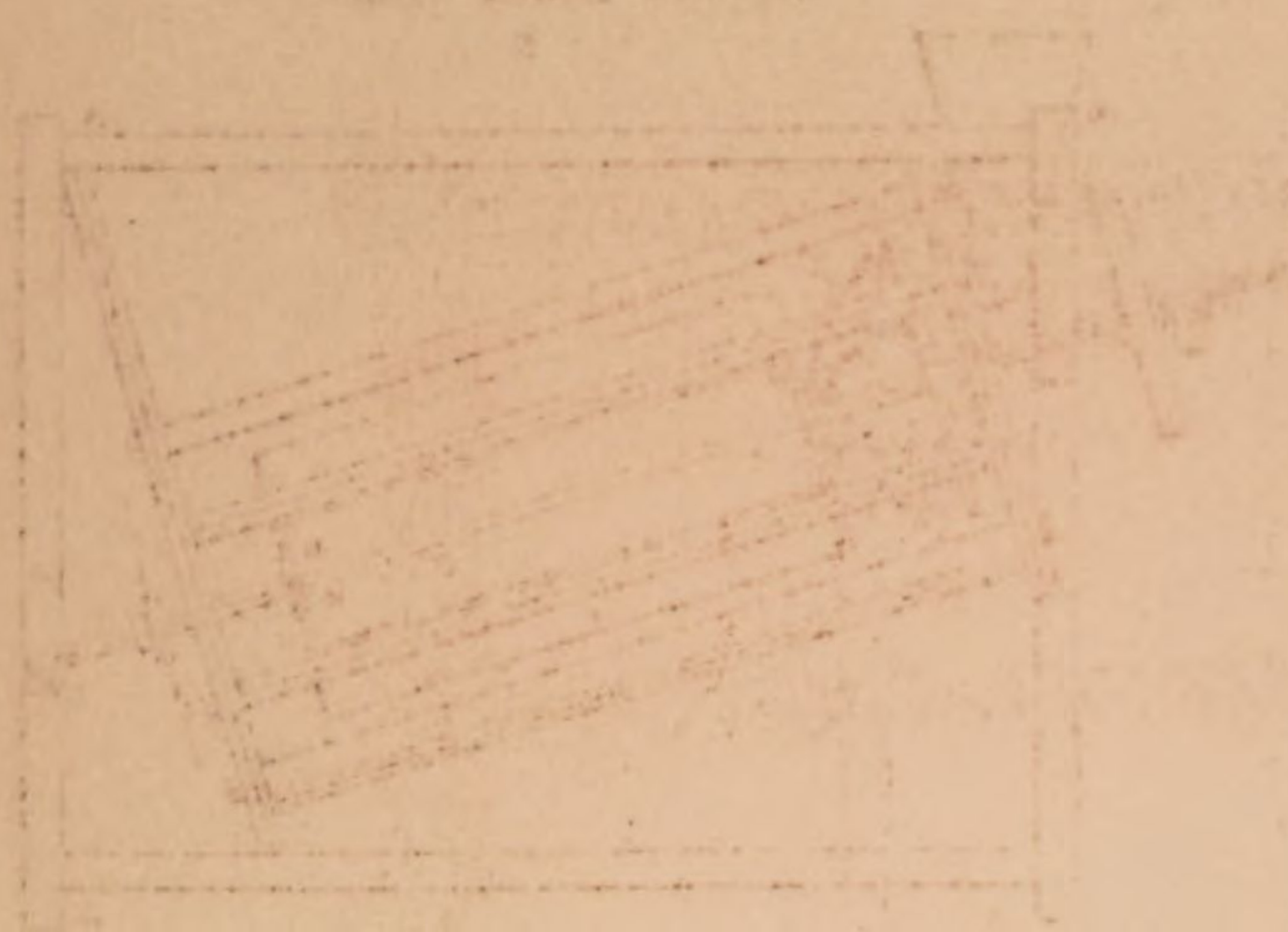
Logwood Mill.





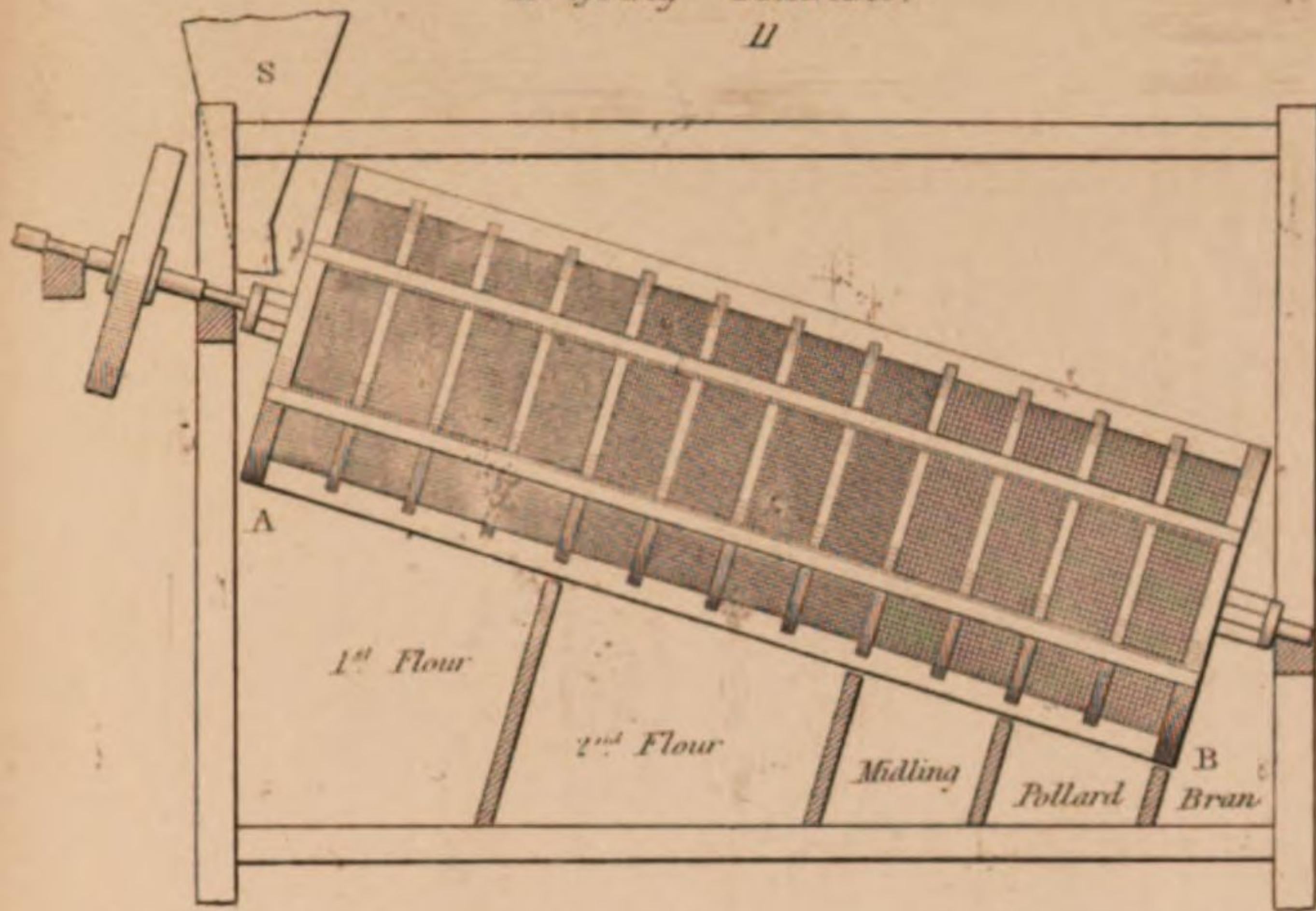






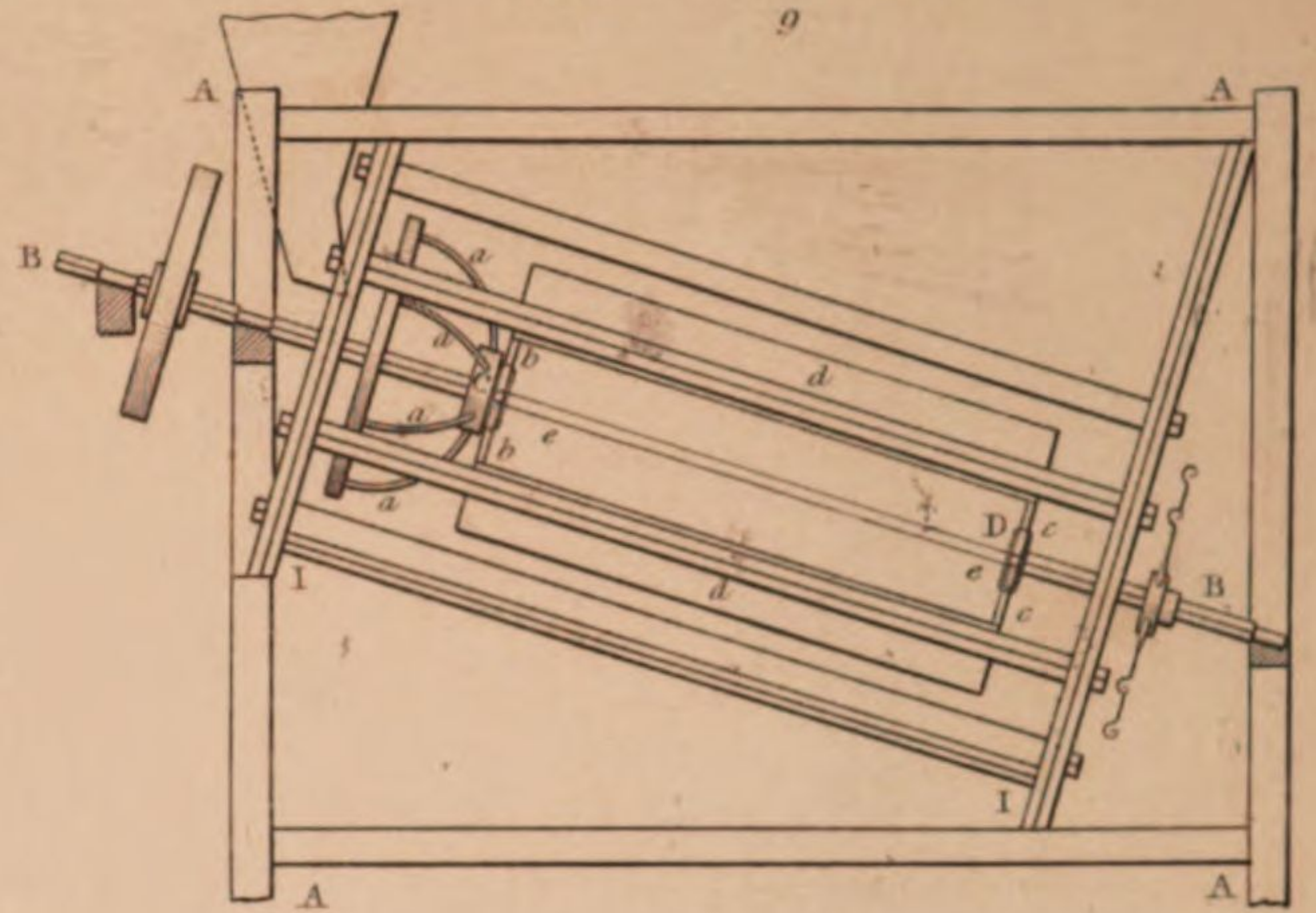
MILLS.

Dressing Machine.
11

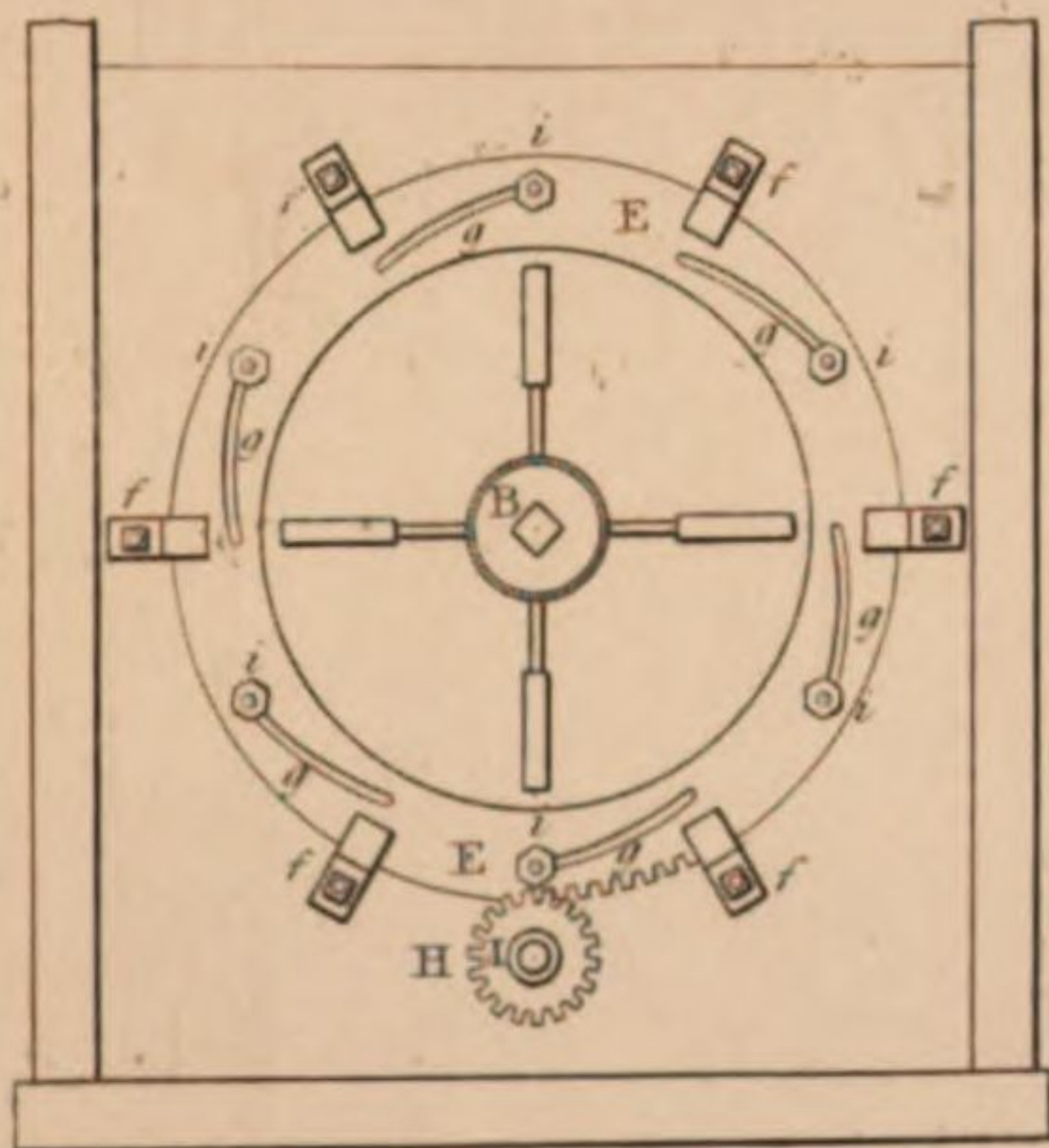


Corn mill.

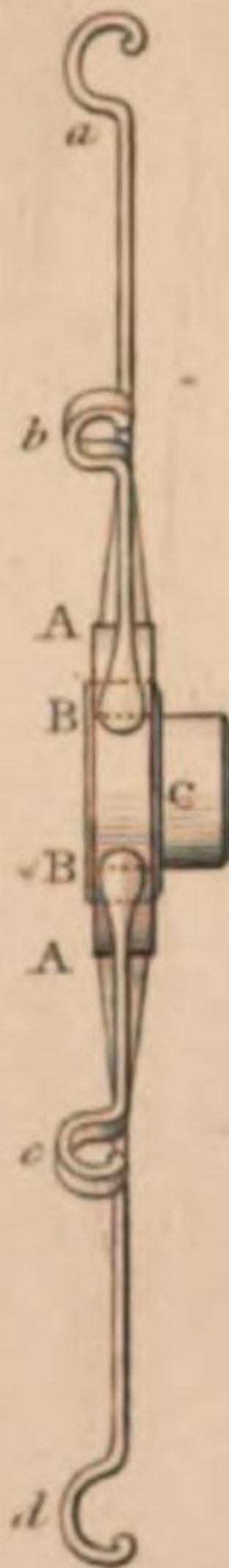
Improved Bolting Mill.
9



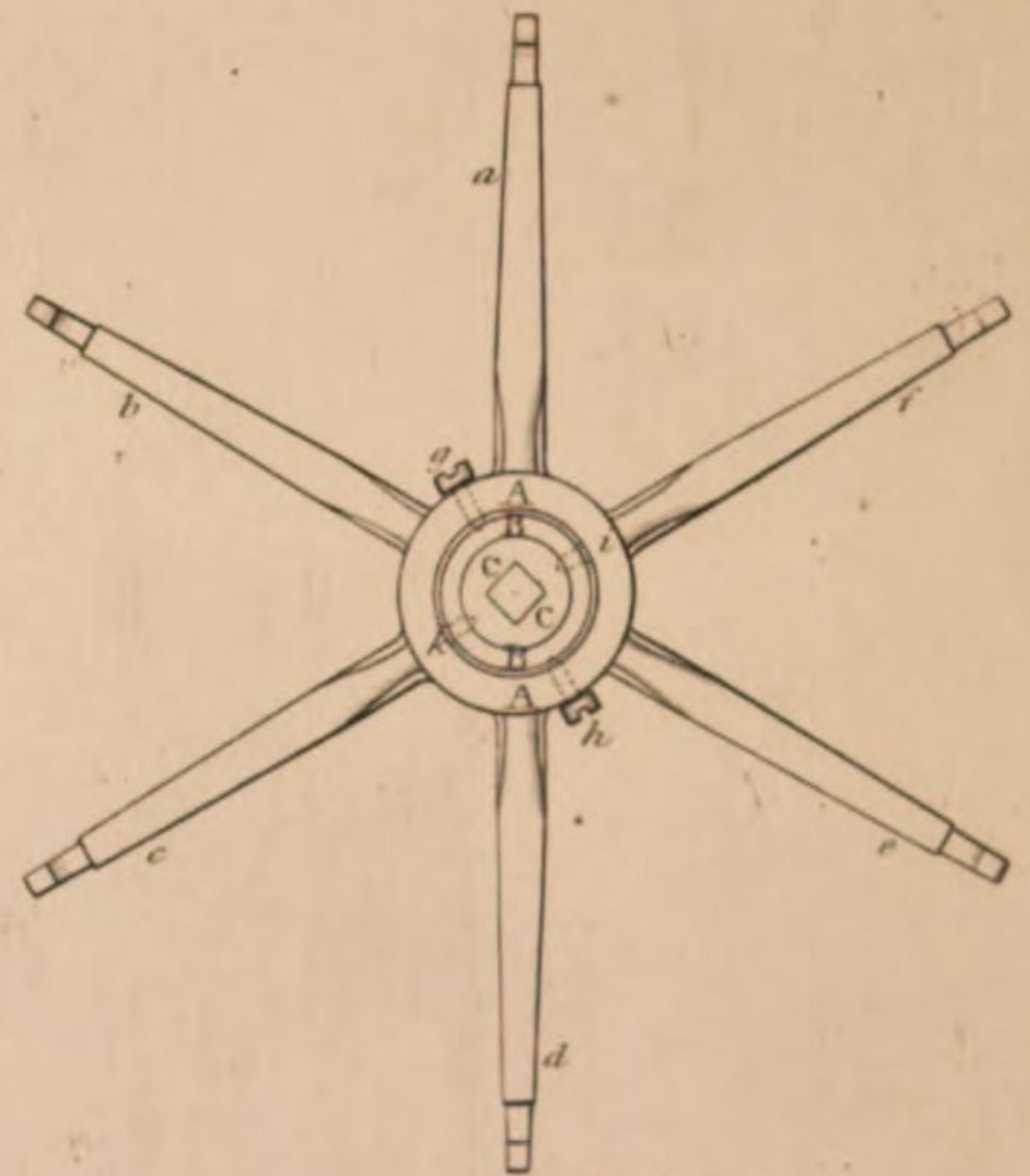
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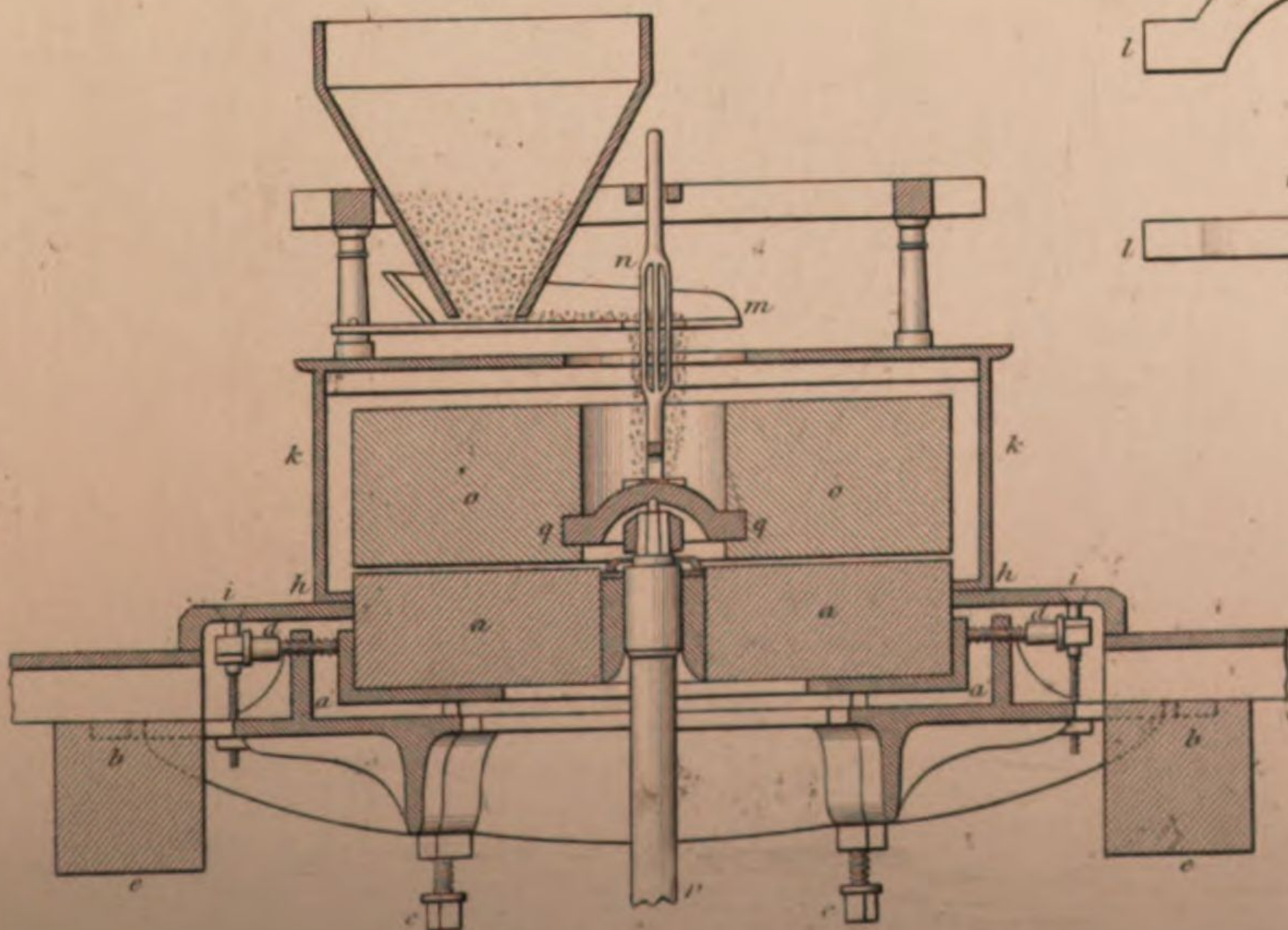
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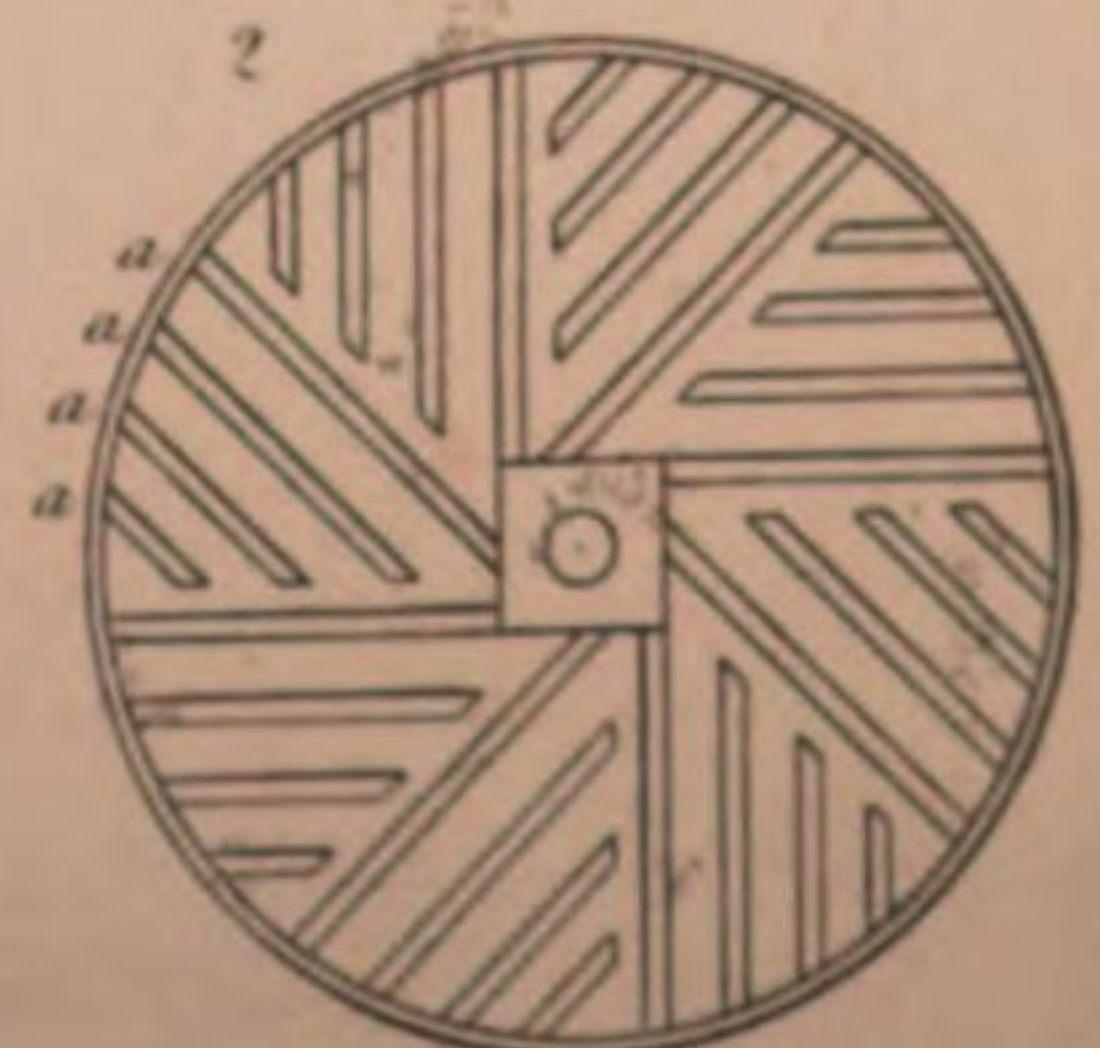
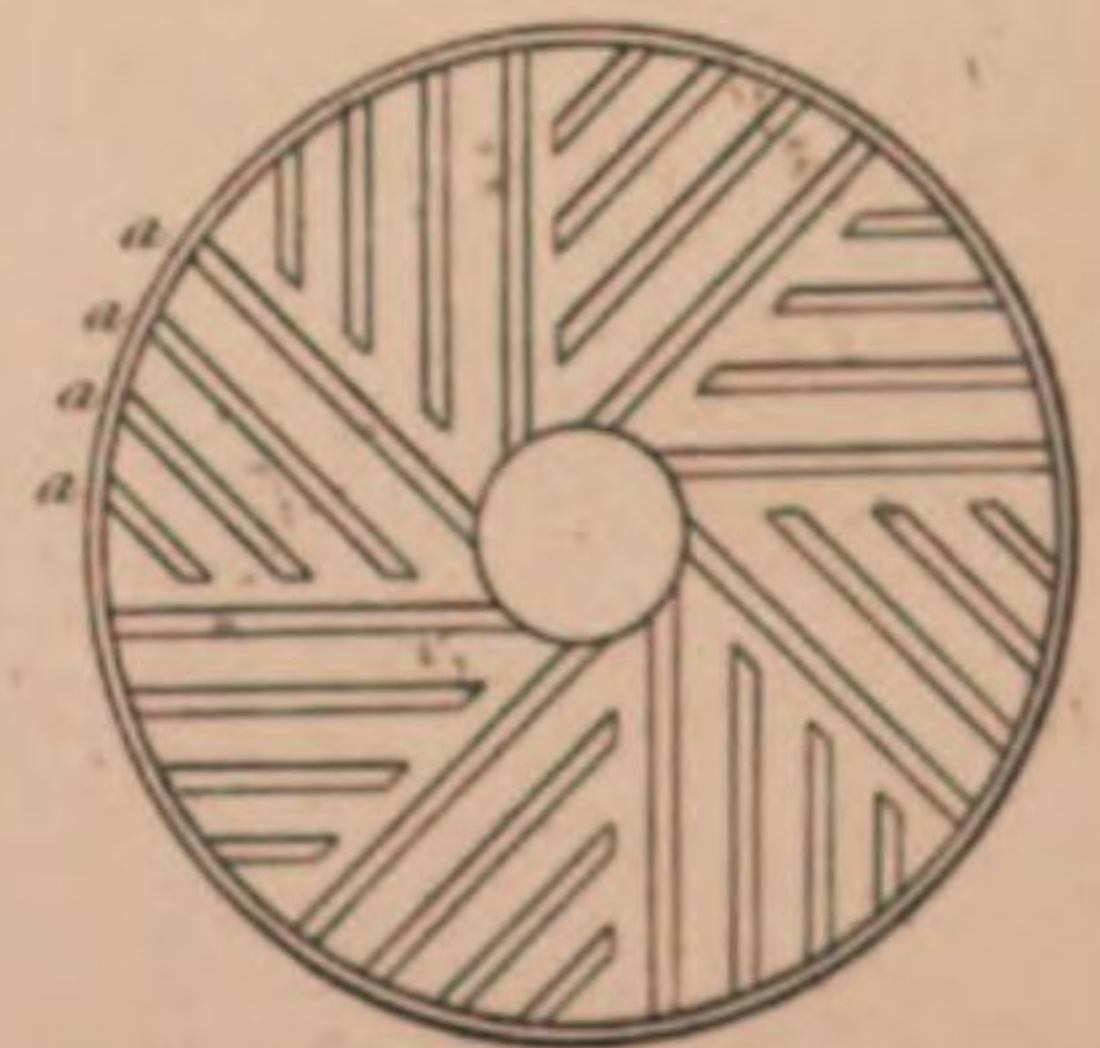
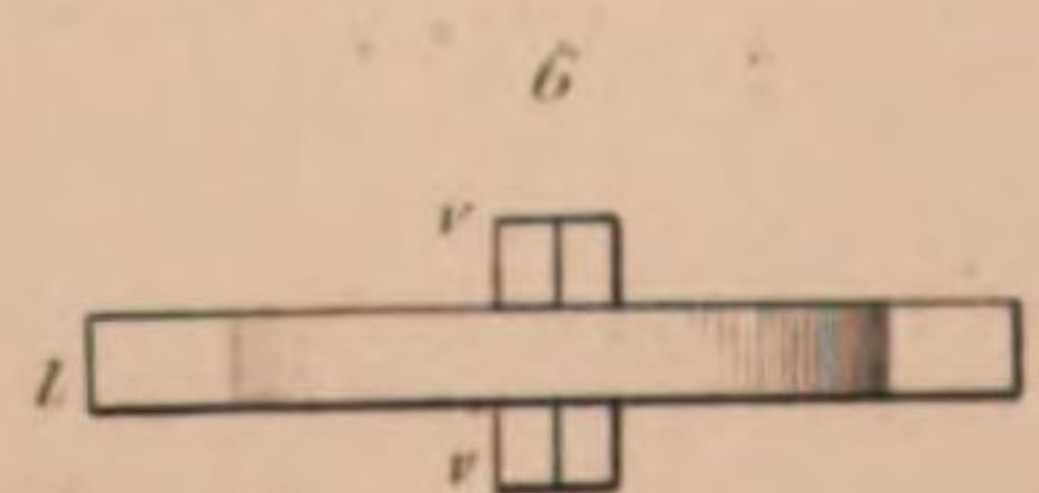
8



Balding of Mill Stones
3



Mill Stones
Fig. 1.



[Faint, illegible handwriting in the top left section]

[Faint, illegible handwriting in the top right section]

[Faint, illegible handwriting in the middle left section]

[Faint, illegible handwriting in the middle right section]

[Faint, illegible handwriting in the bottom left section]

[Faint, illegible handwriting in the bottom right section]

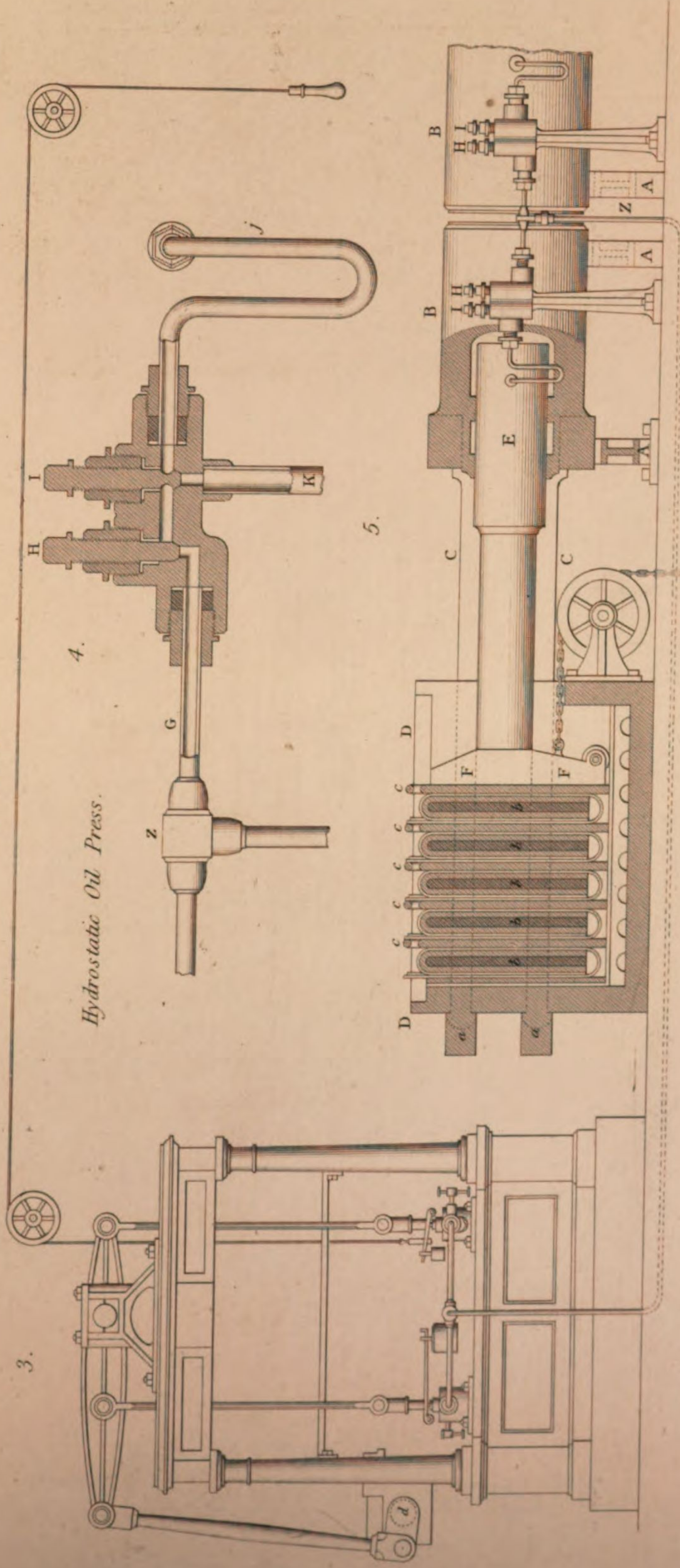
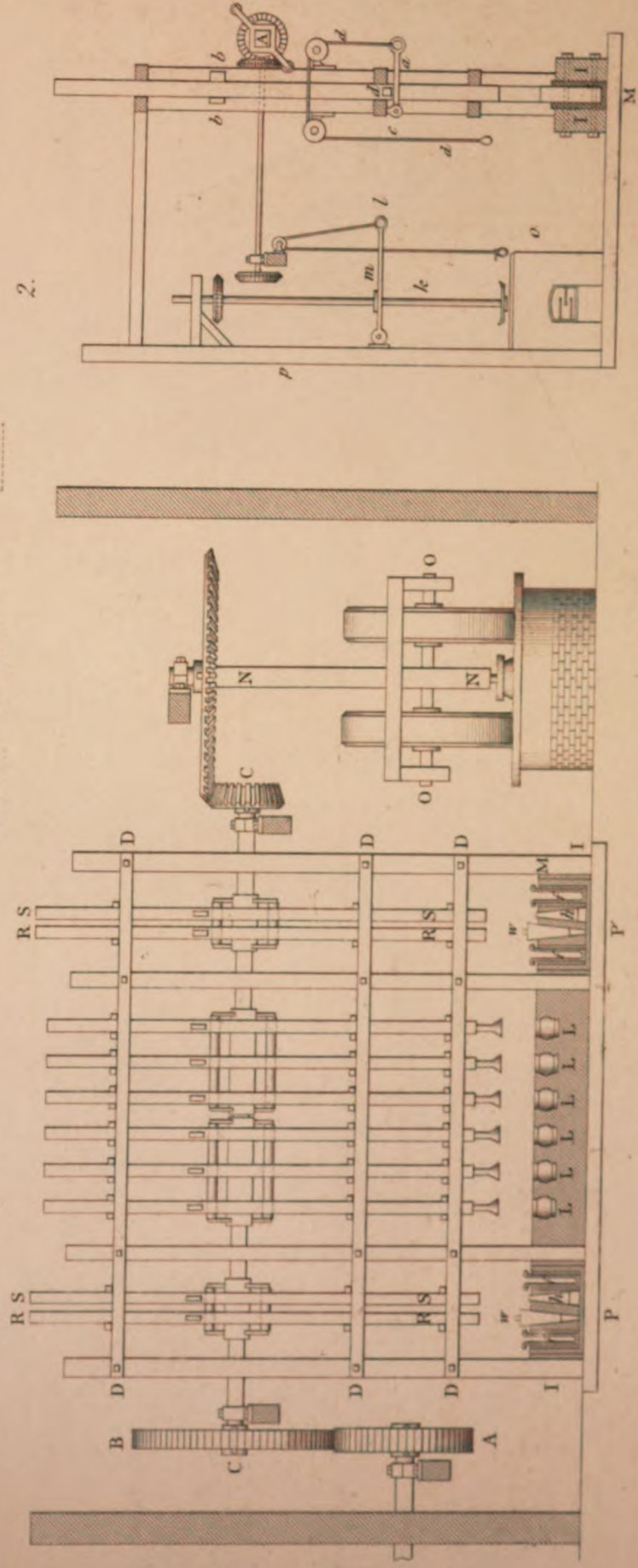


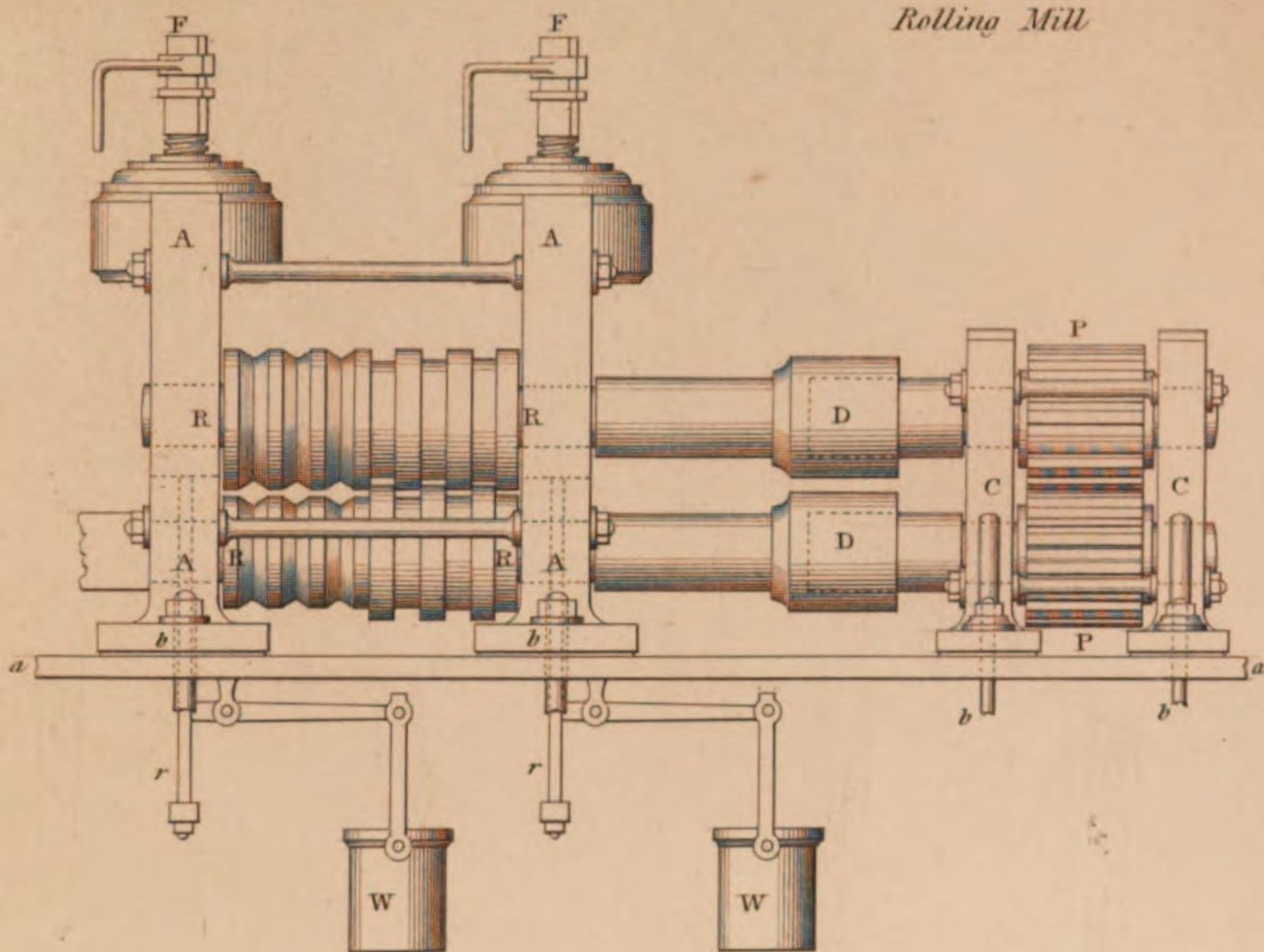
Fig. 1.

Common Oil Mill.

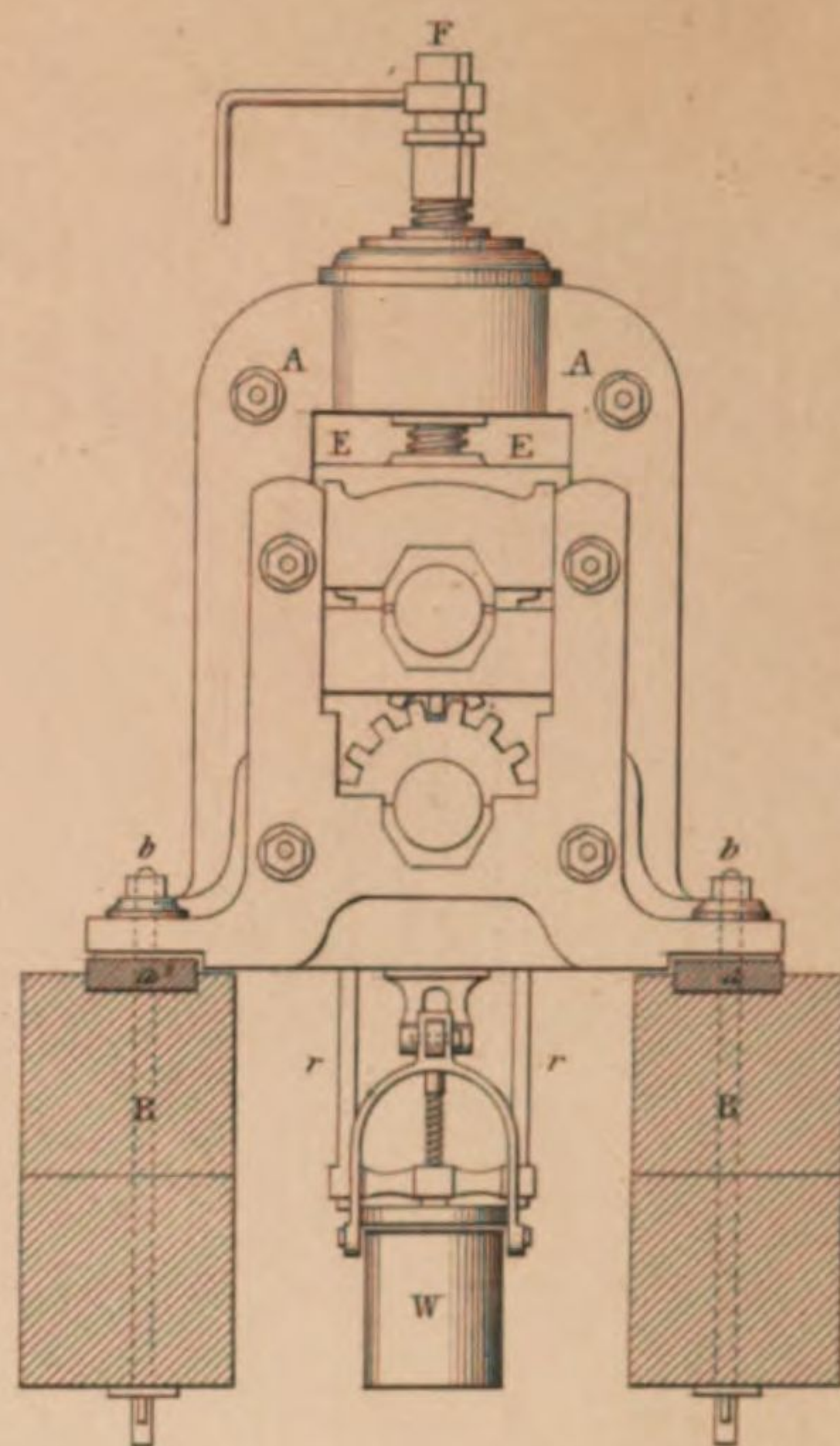


1

Rolling Mill

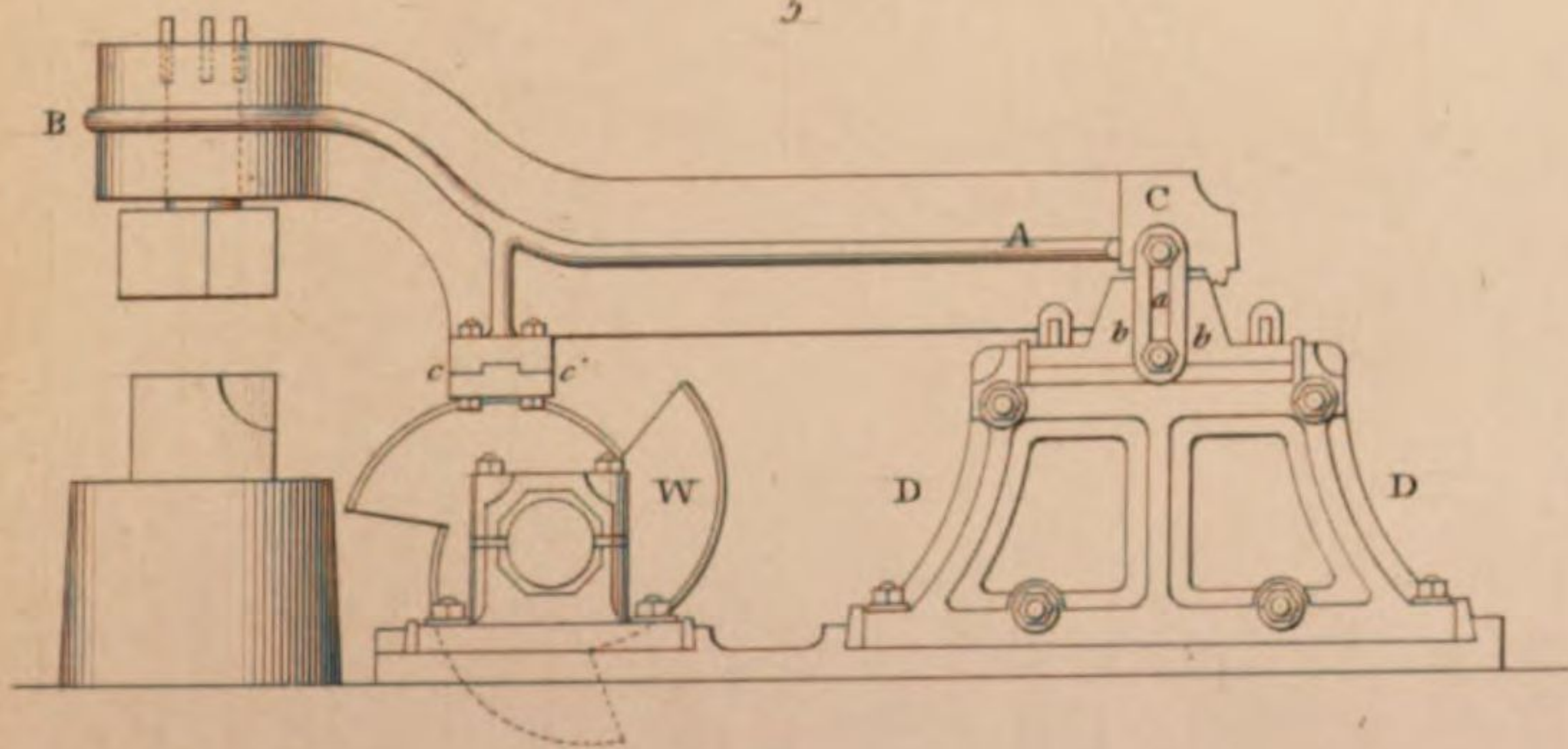


2



Lift Hammer

5



Tilt Hammer

6

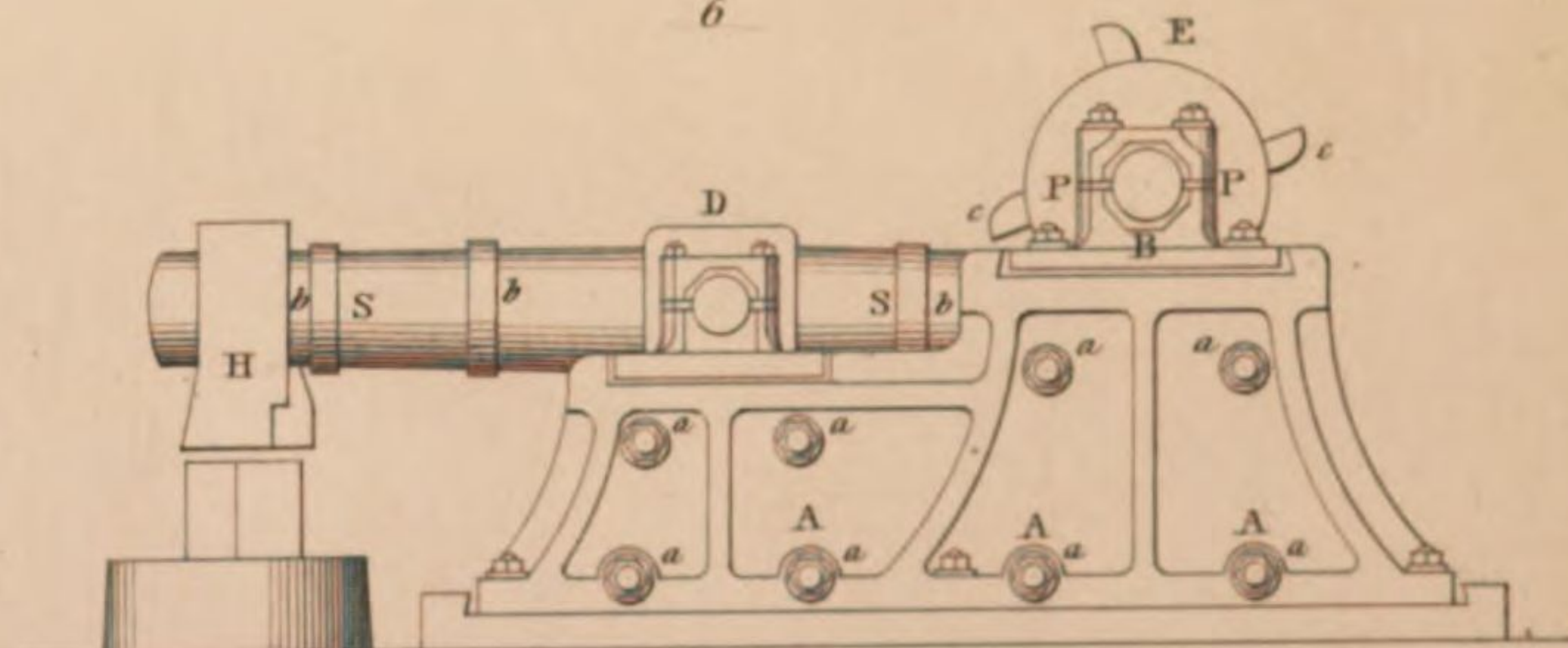
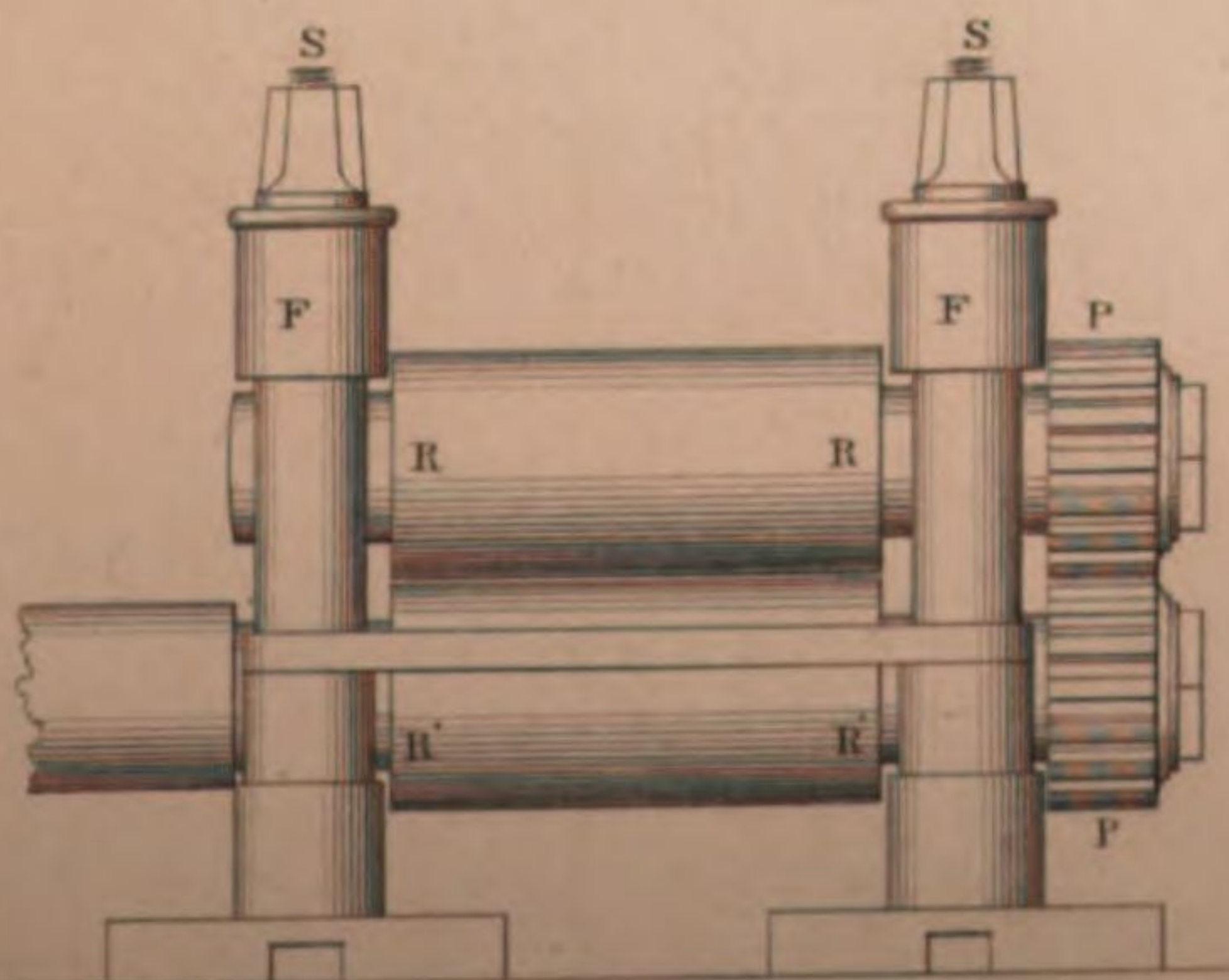


Plate Rollers

3



4

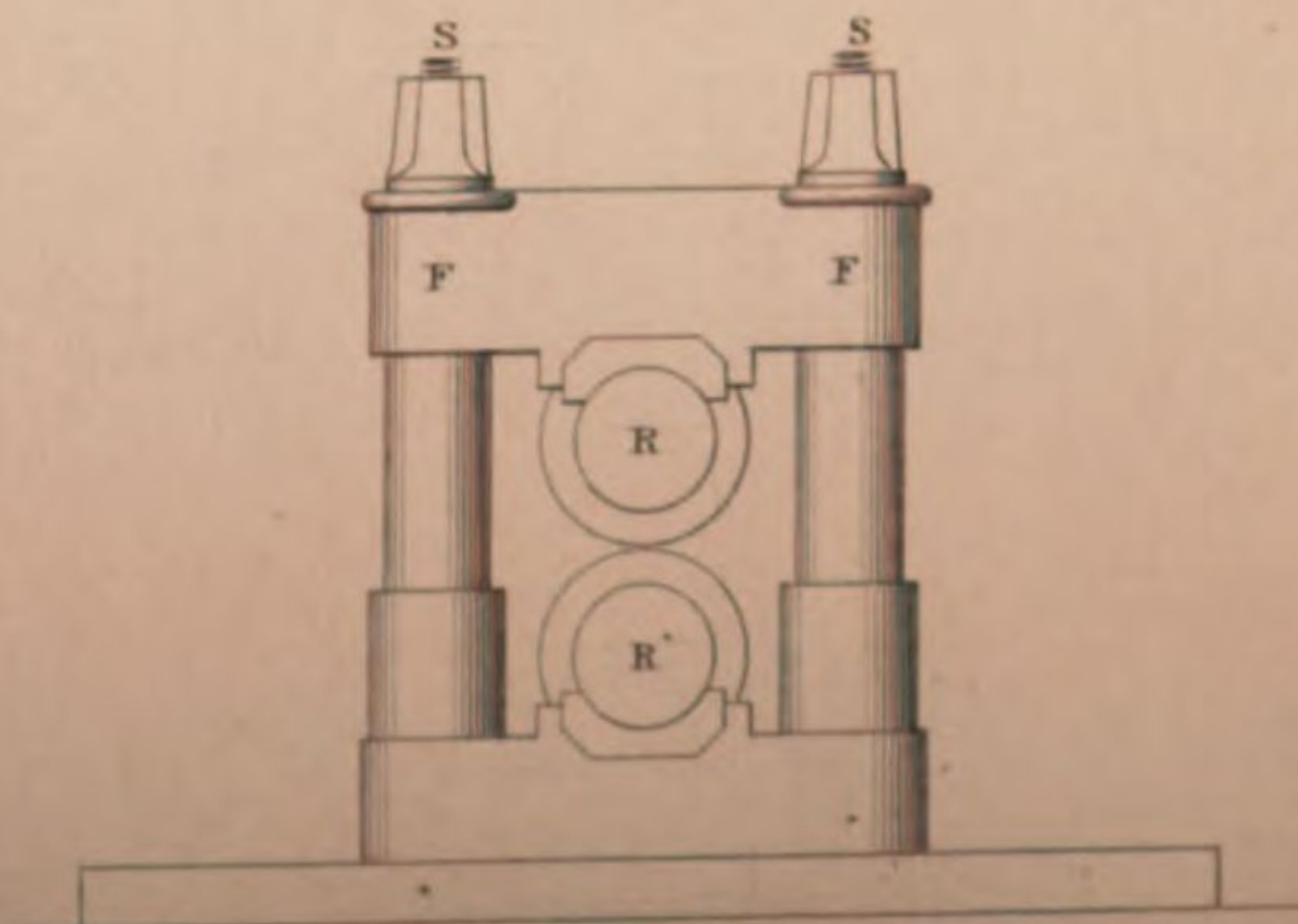


Fig. 3.

Fig. 4.

*Saw-mill used in the
Block machinery at Portsmouth.*

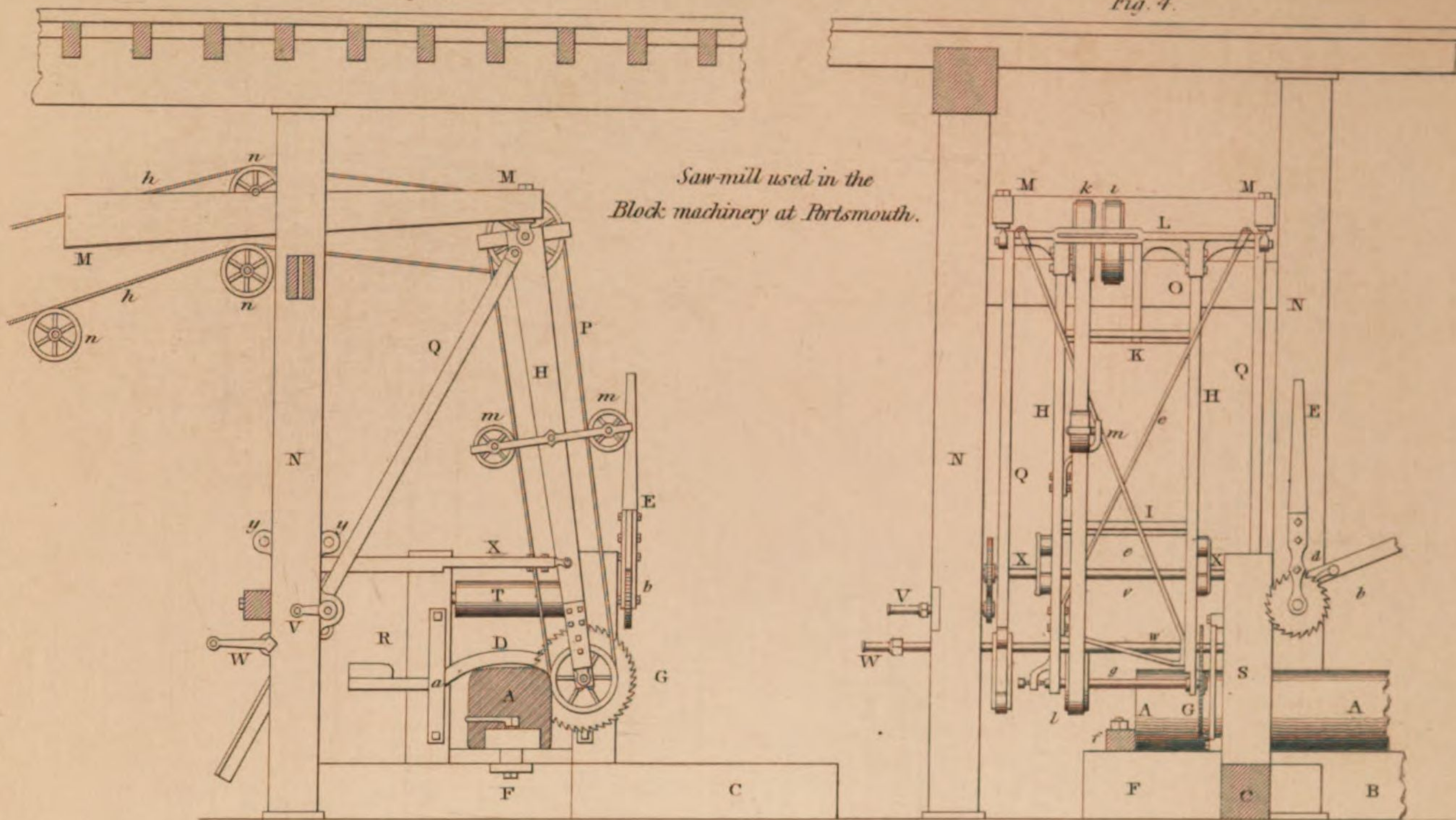
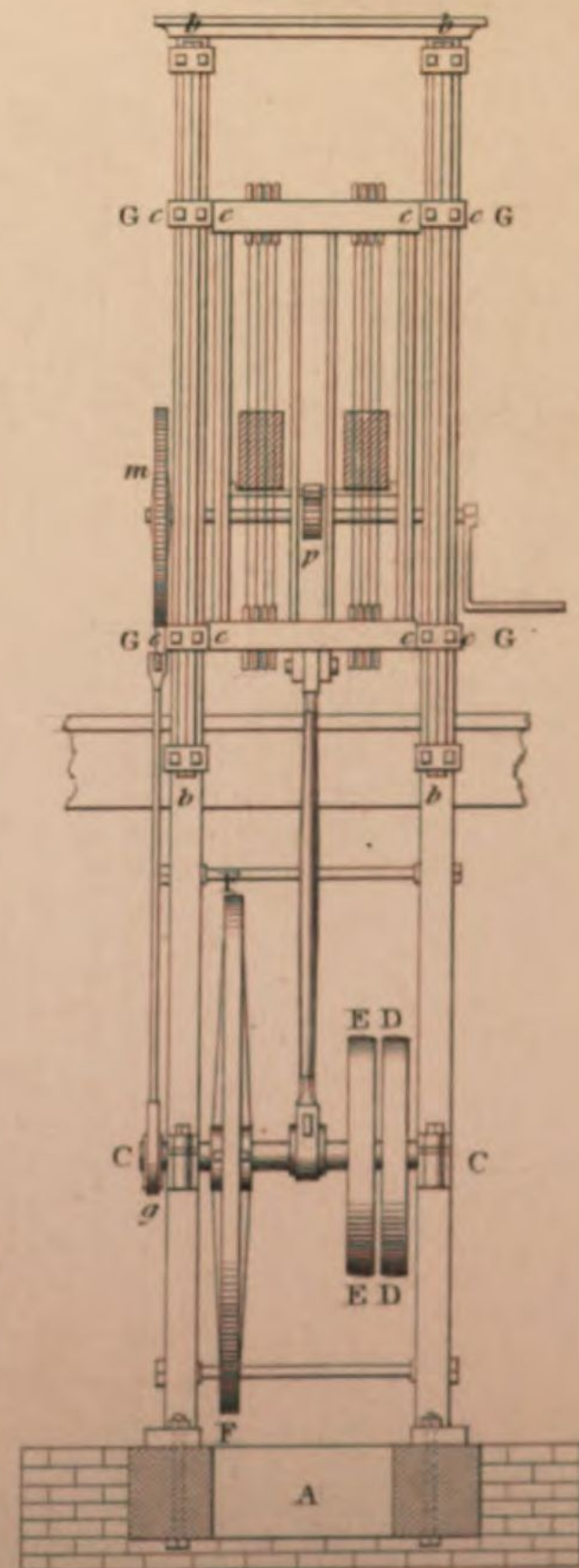
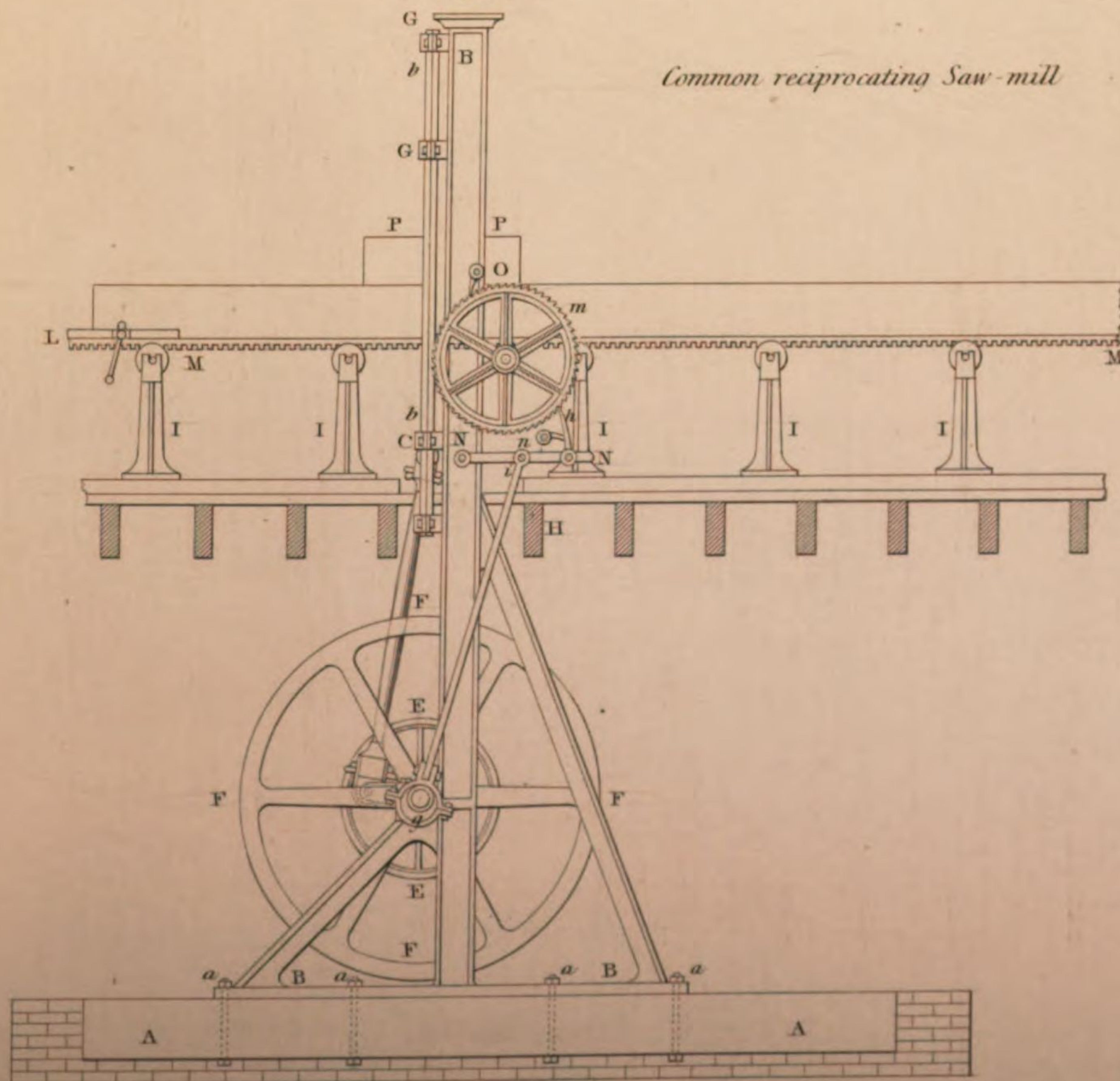


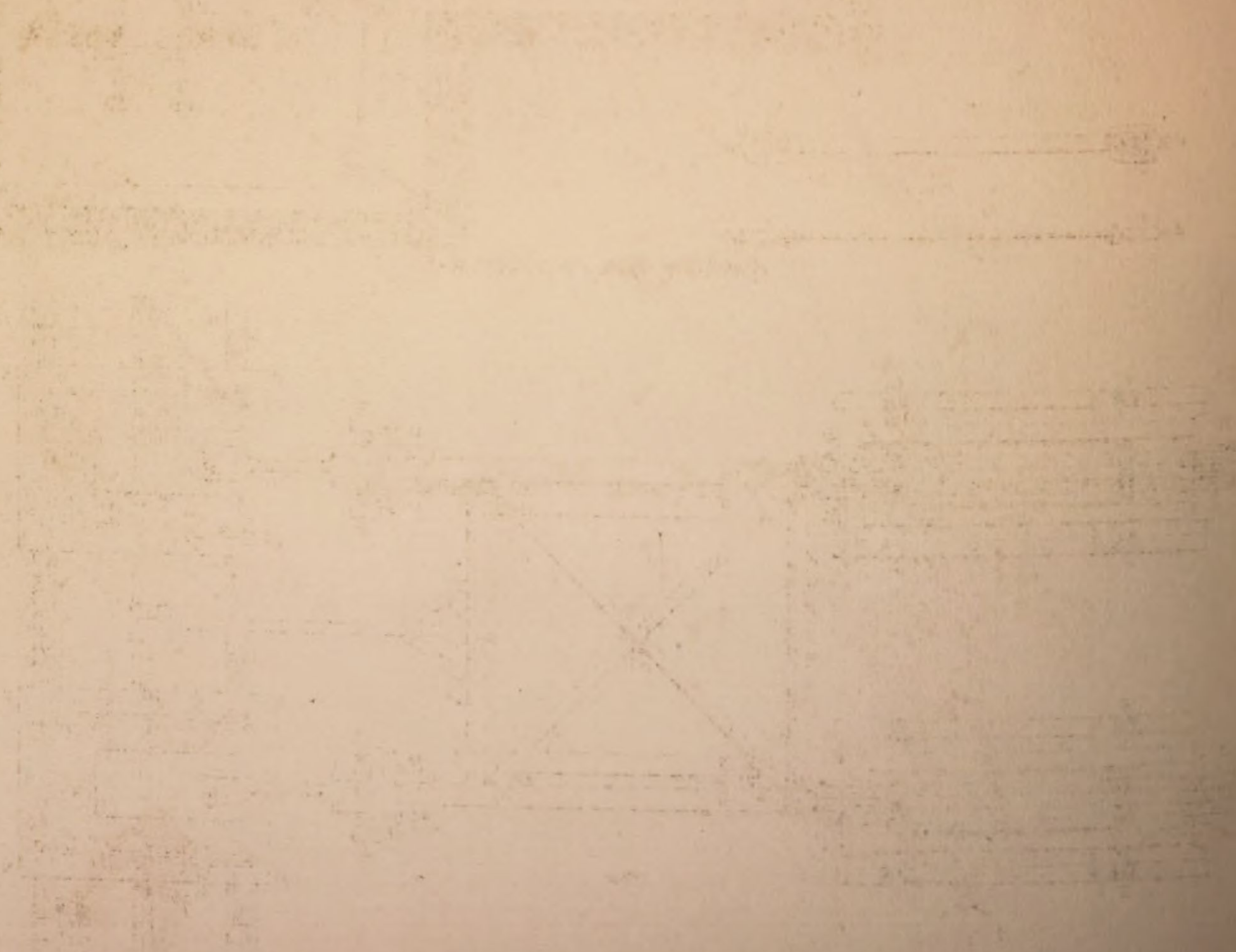
Fig. 1.

Common reciprocating Saw-mill

Fig. 2.



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MANUFACTURES

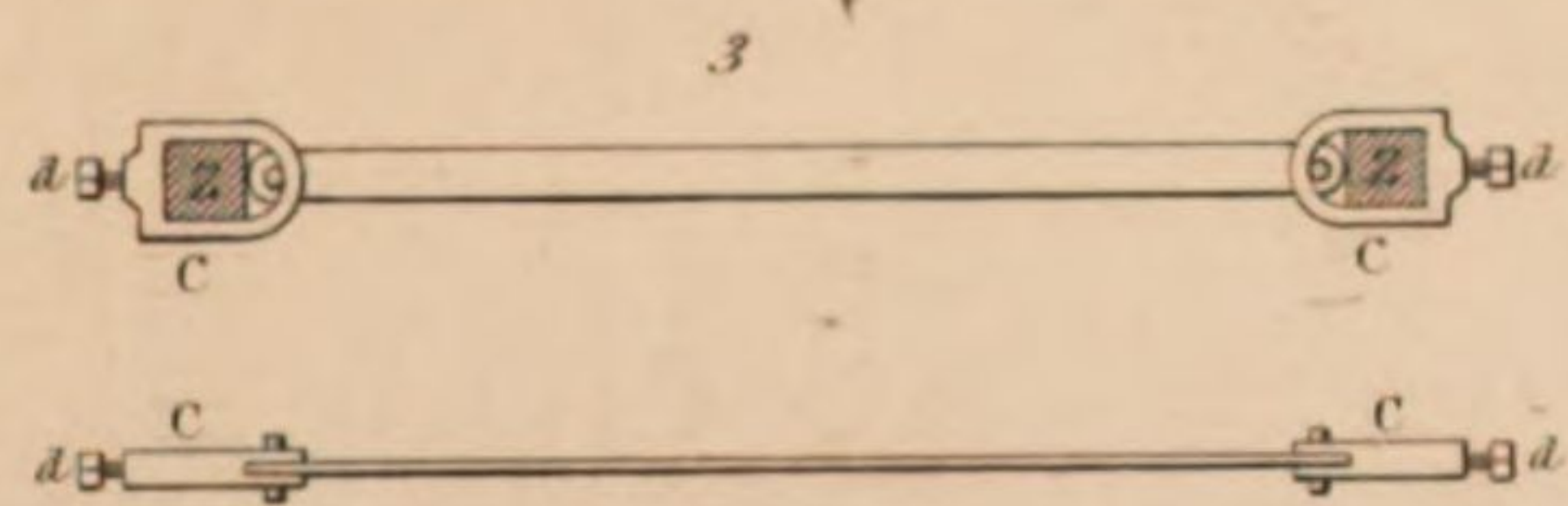
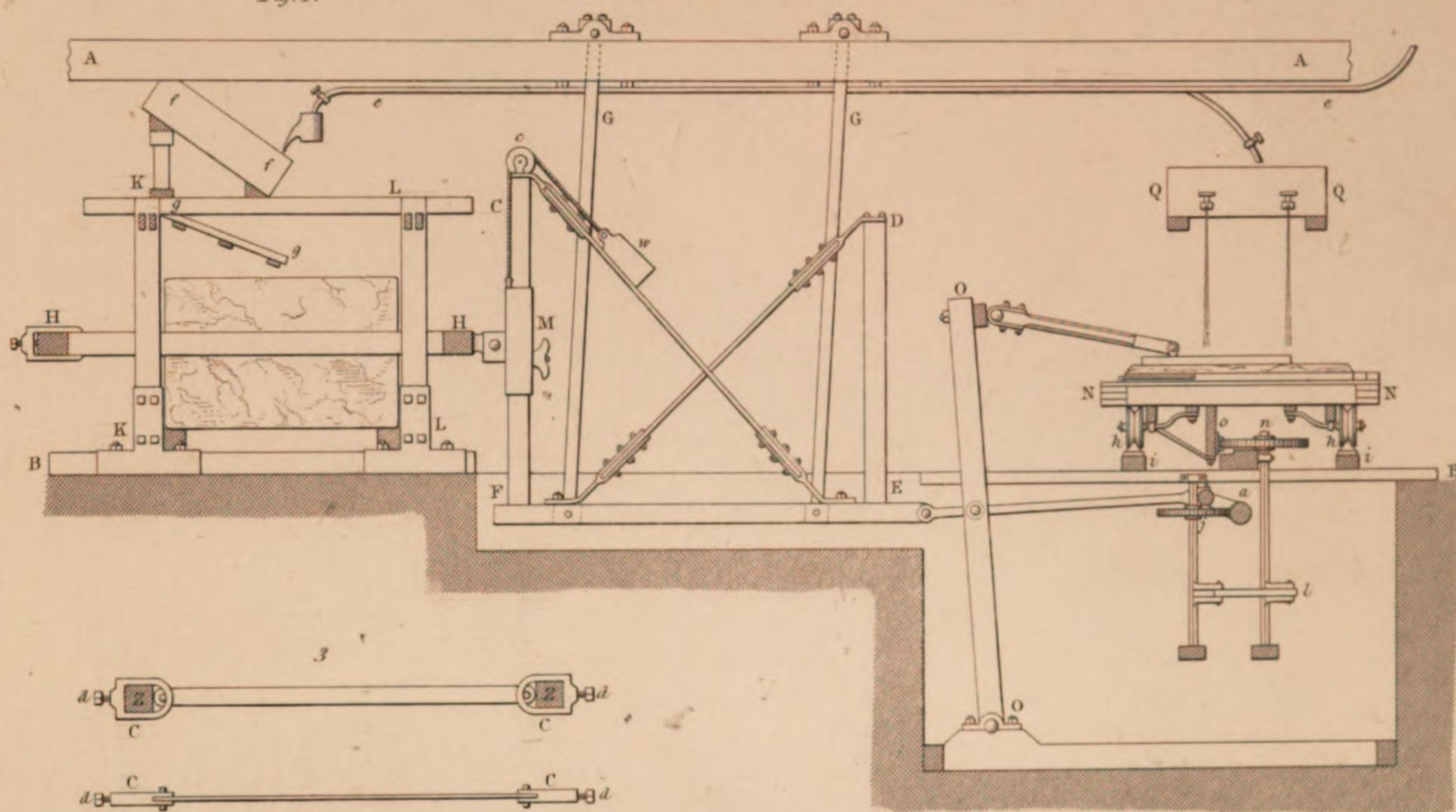
PLATE XLIII.

MILLS

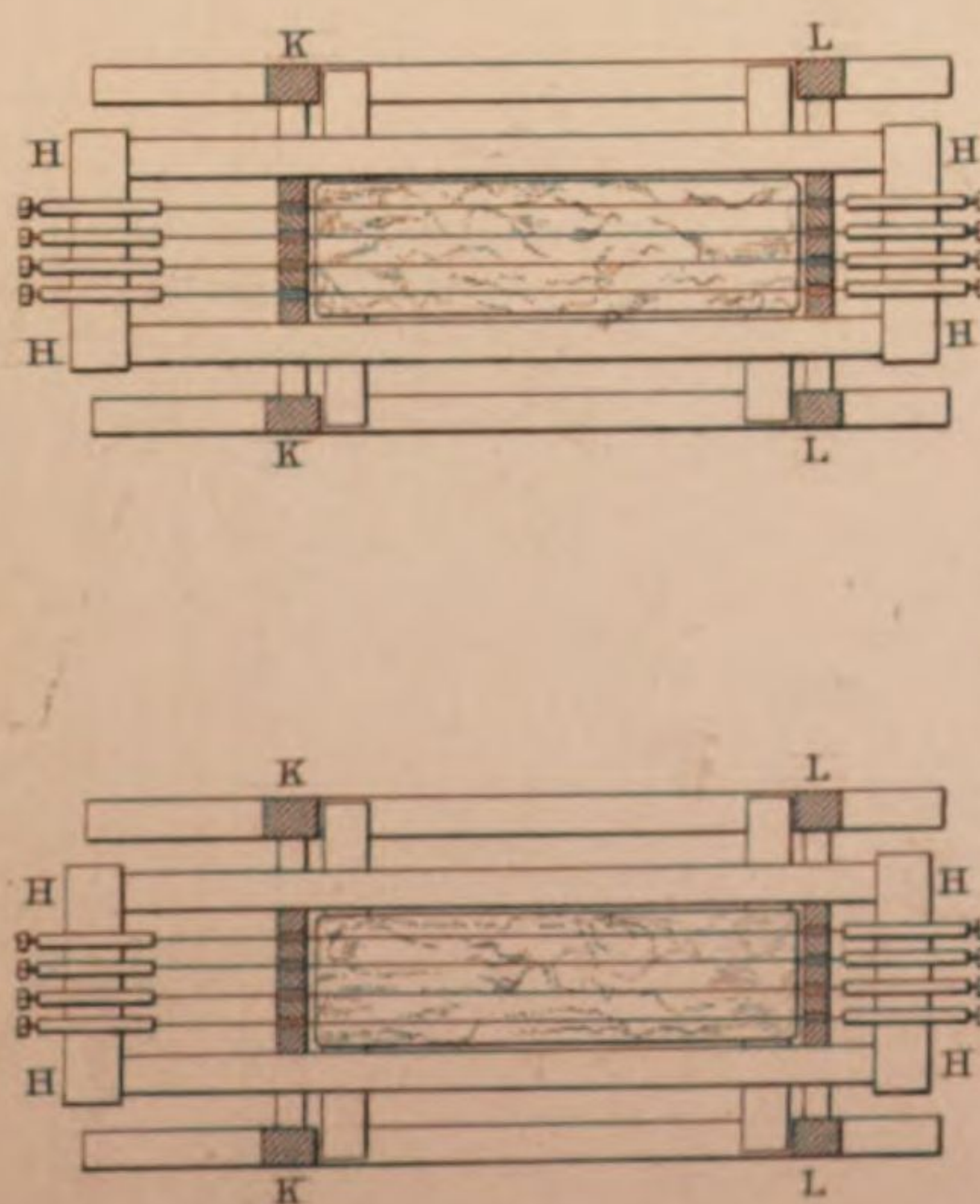
Saw Mill for Marble

Fig. 1.

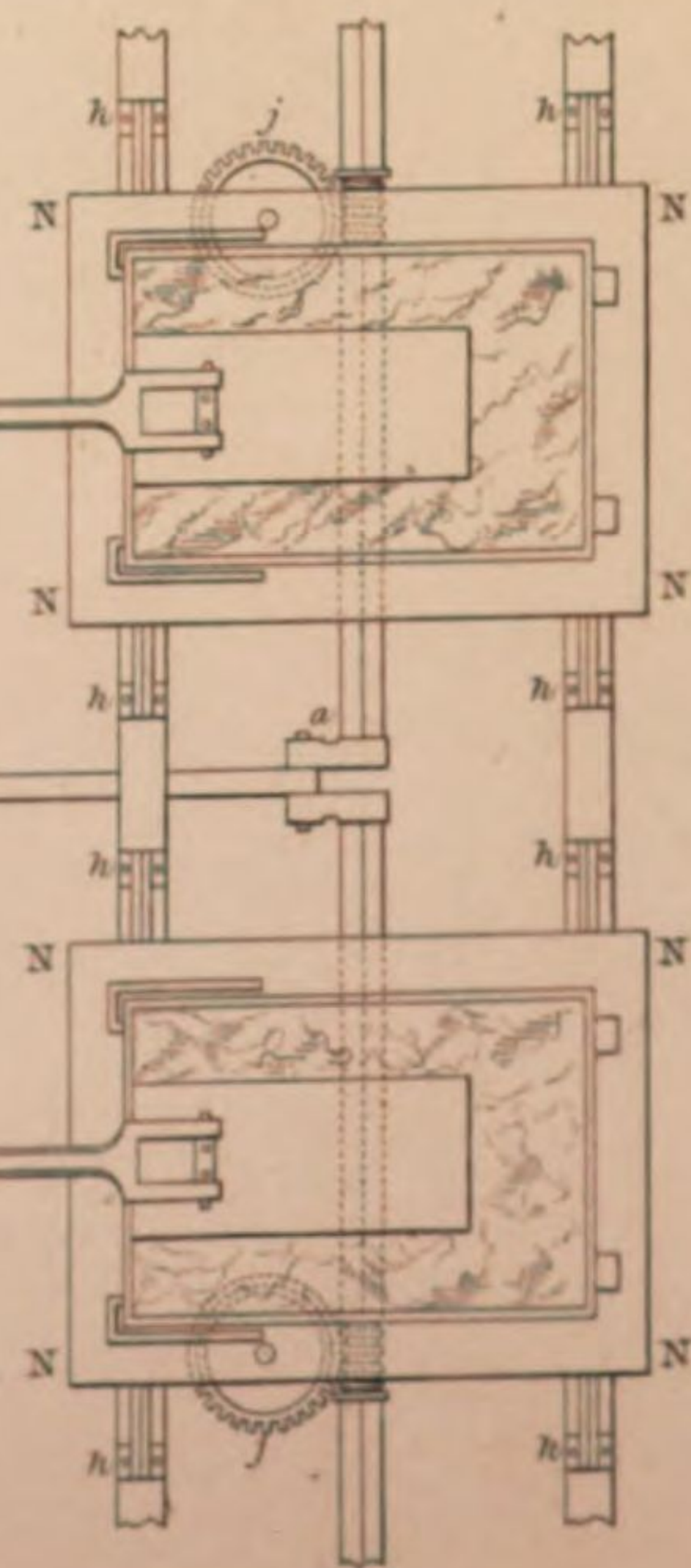
Elevation



2



Plan



P. Barlow Junr. del.

J.W. Lowry sculp.

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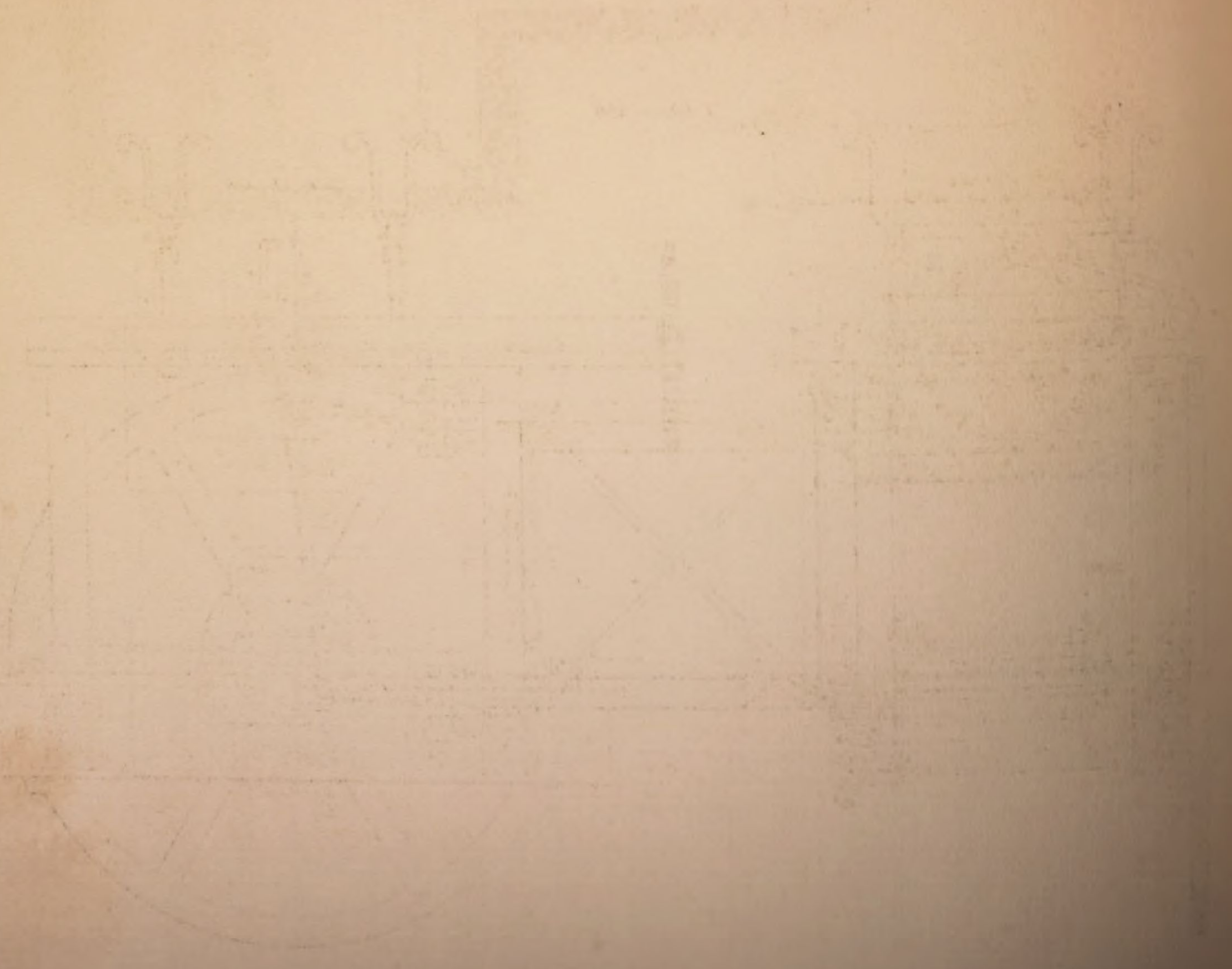
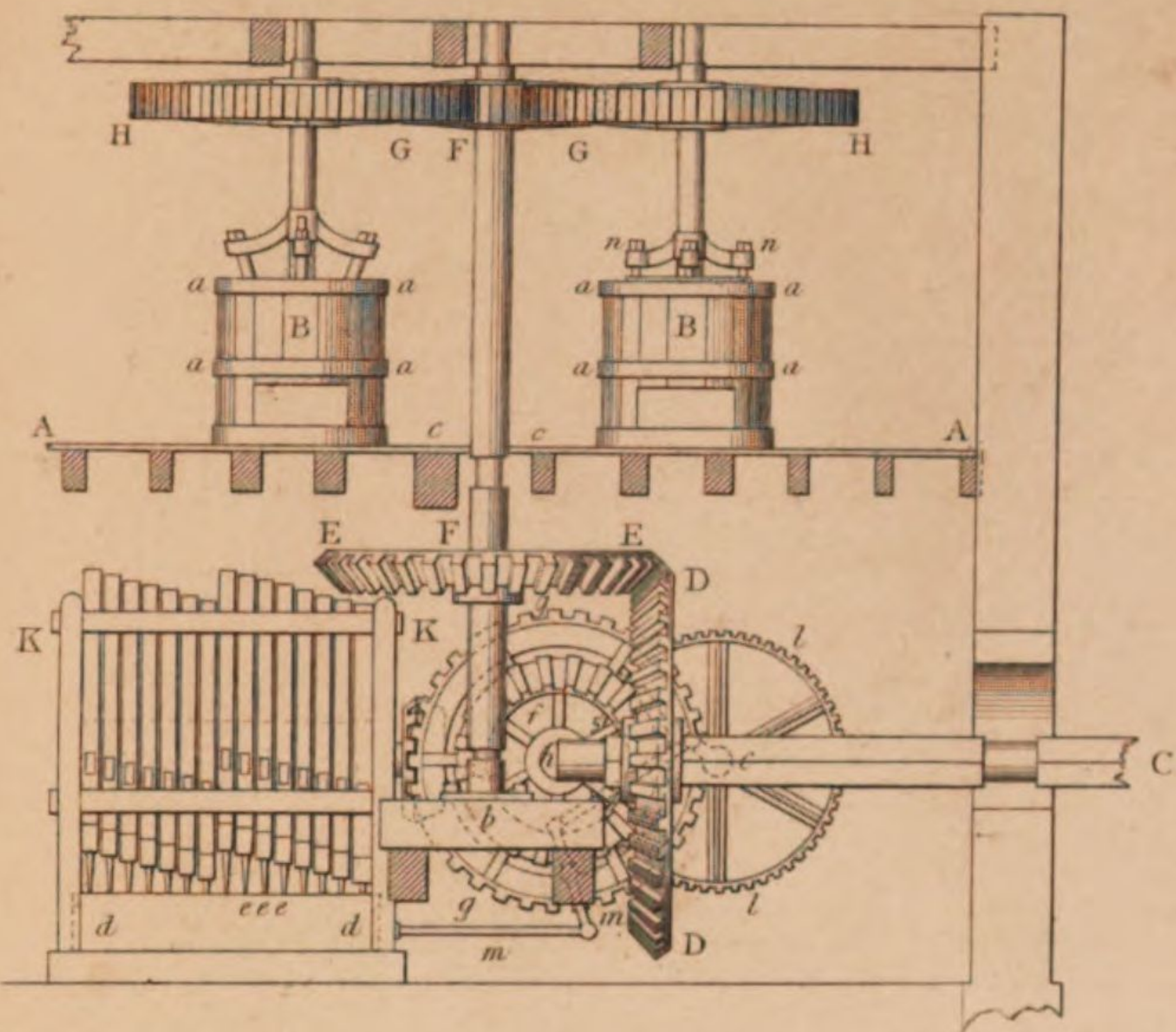
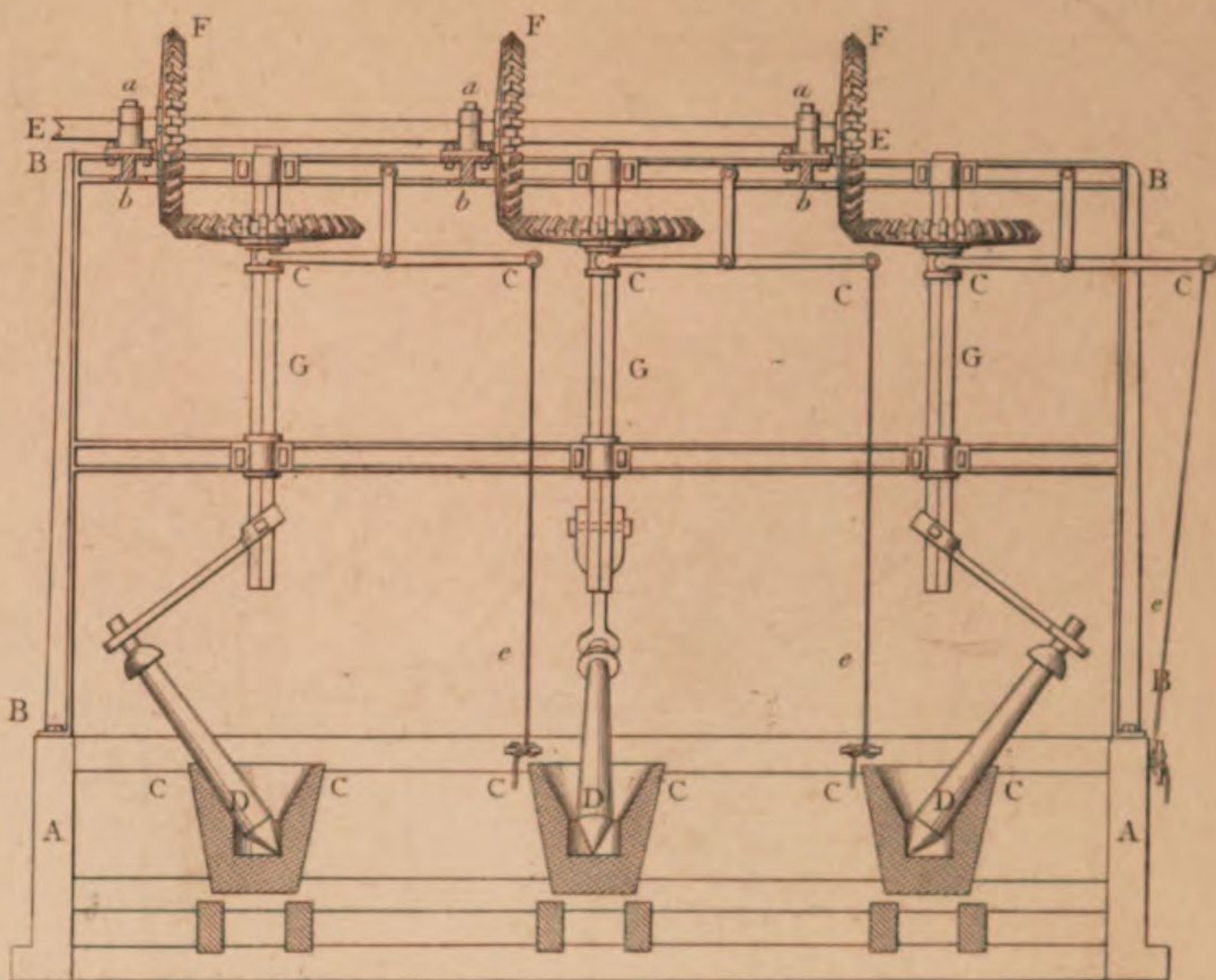


Fig. 1.



Snuff Mill.

2.

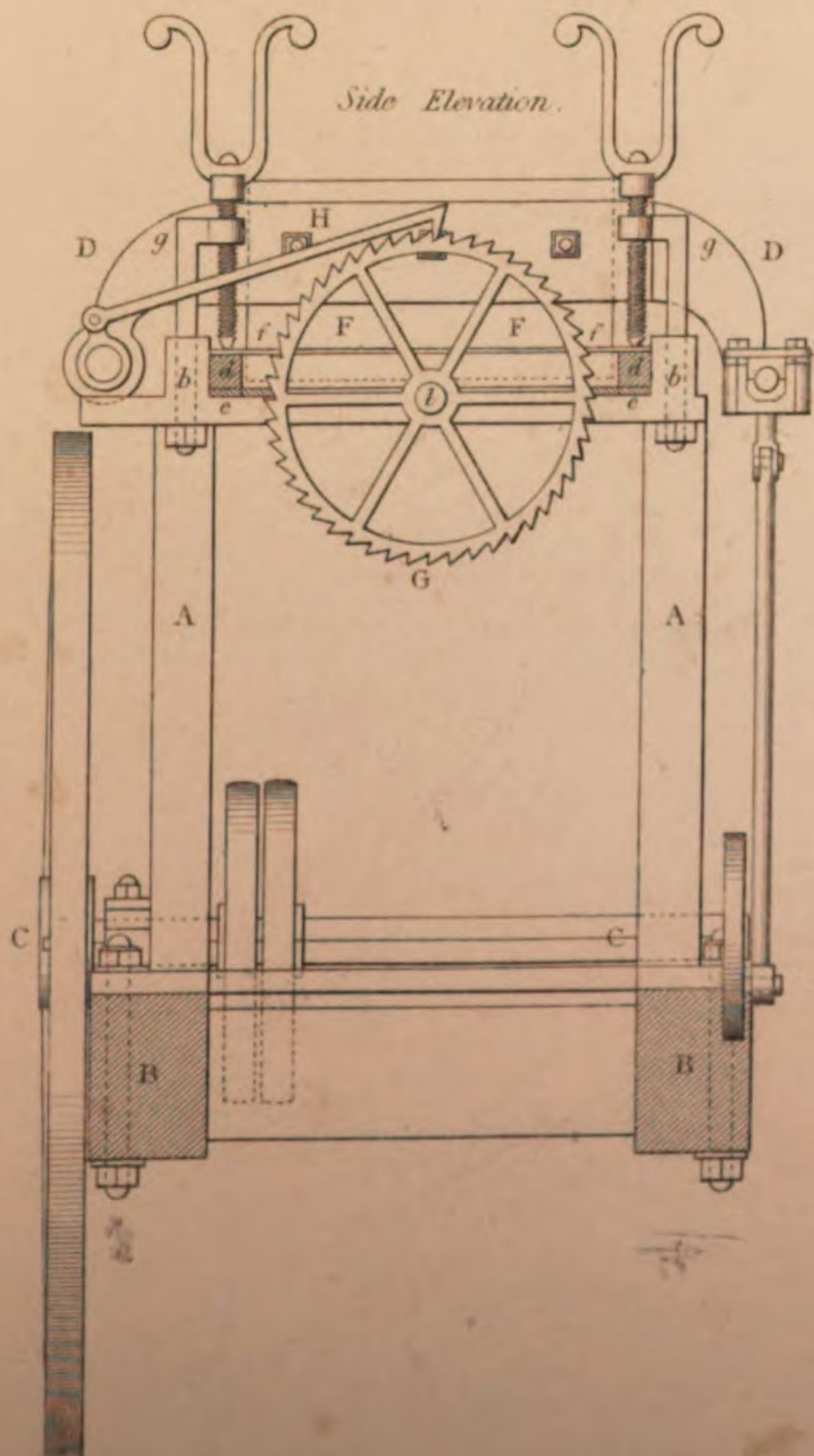


3.

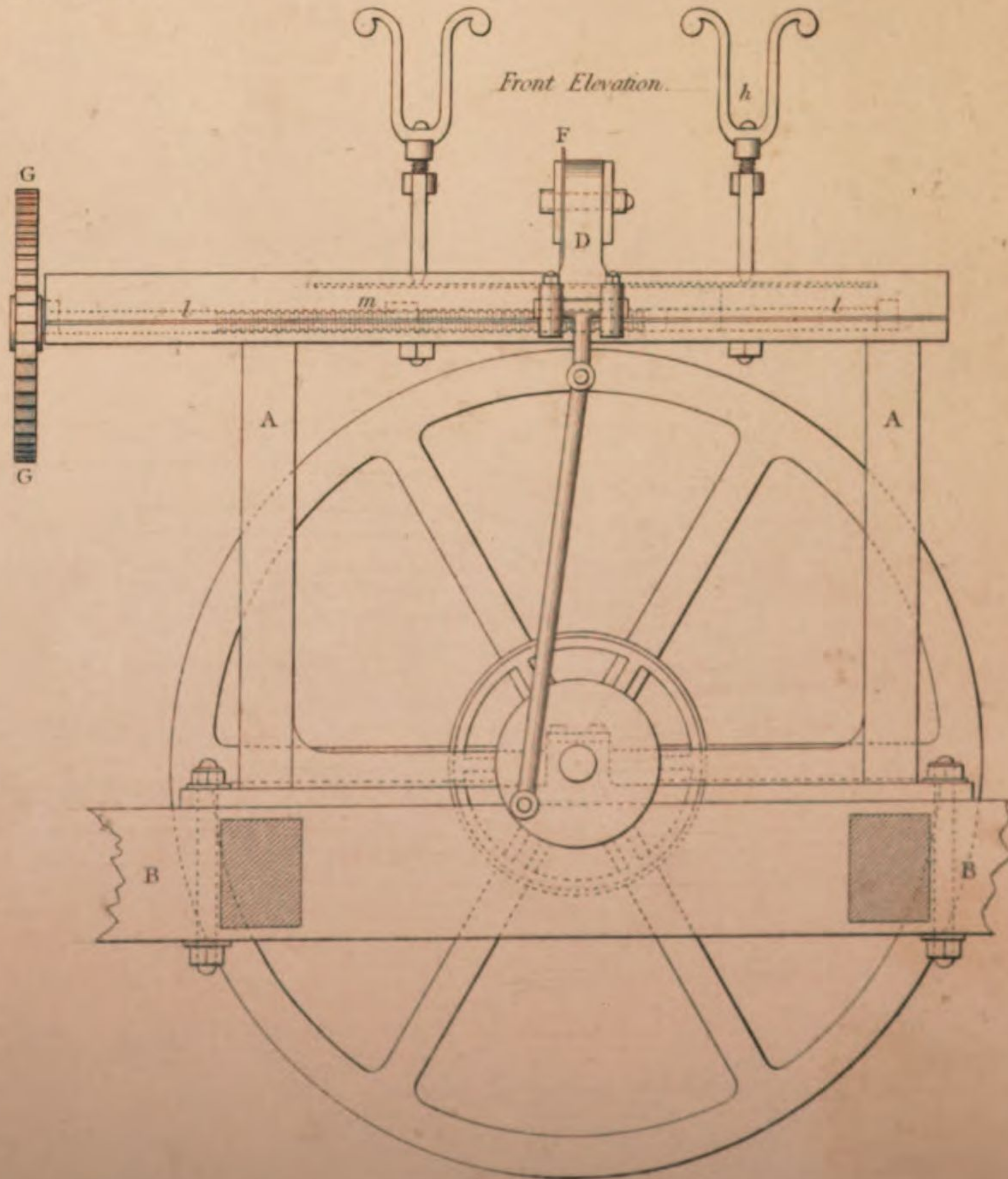
Tobacco Mill.

4.

Side Elevation.



Front Elevation.

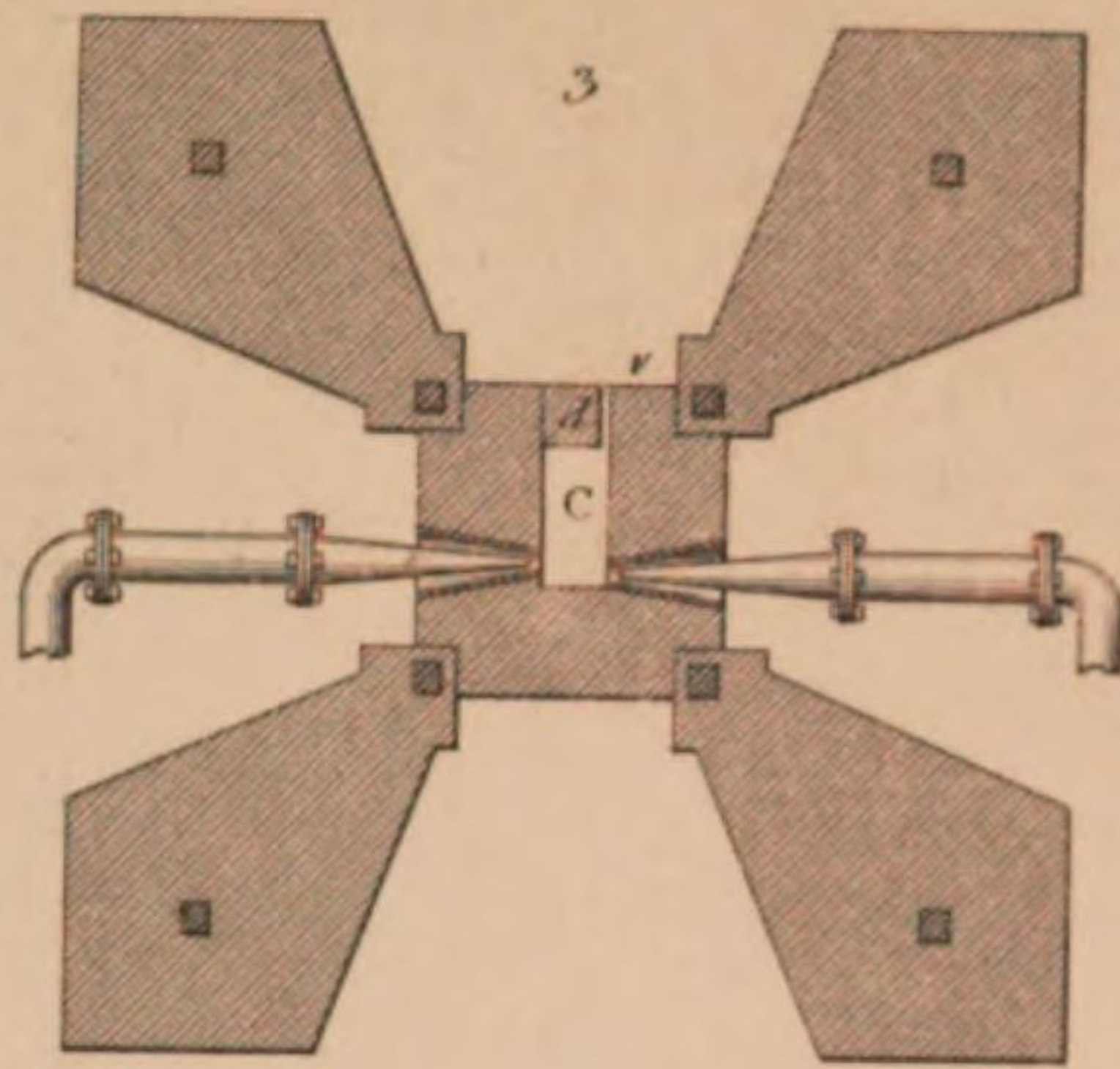
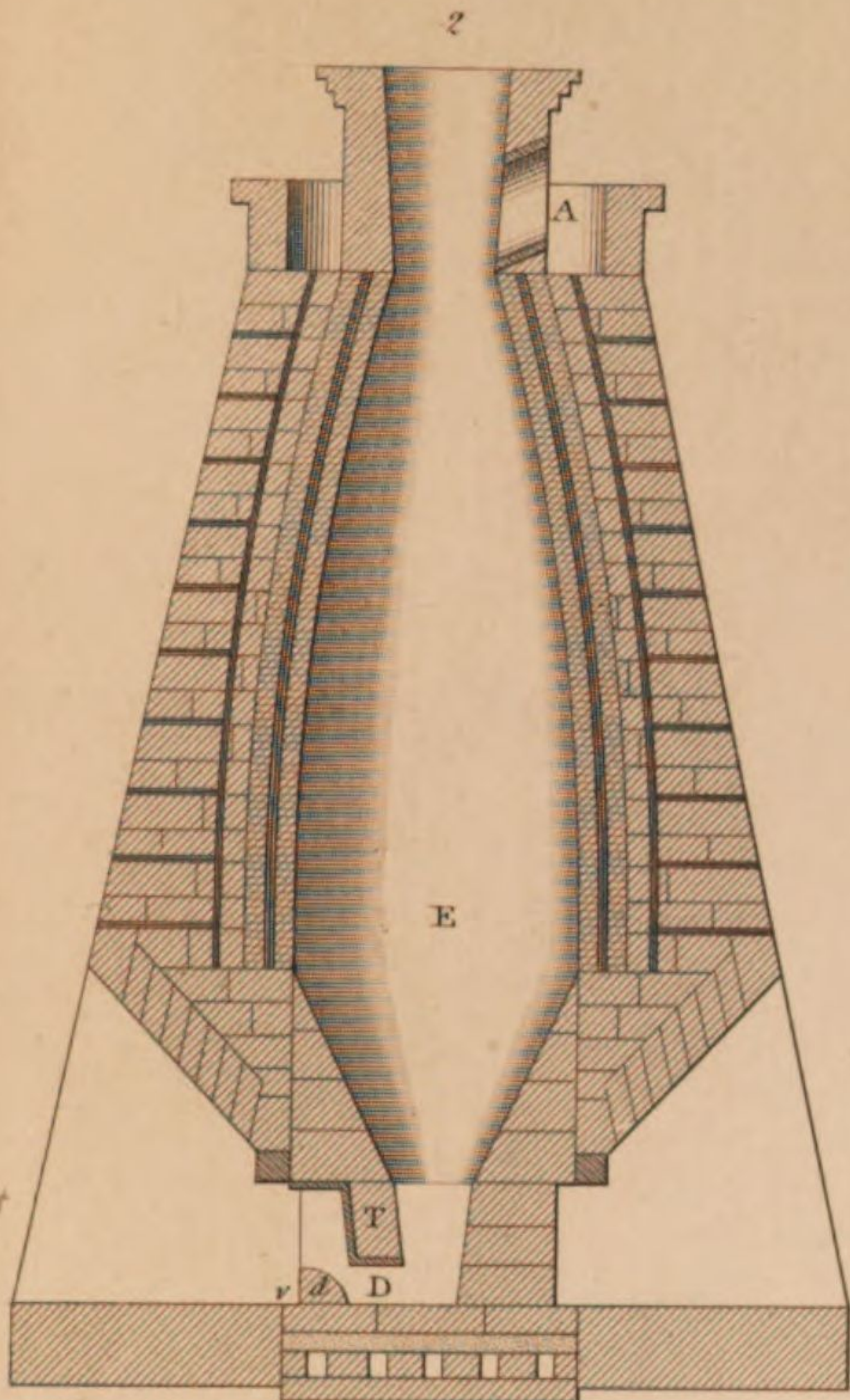




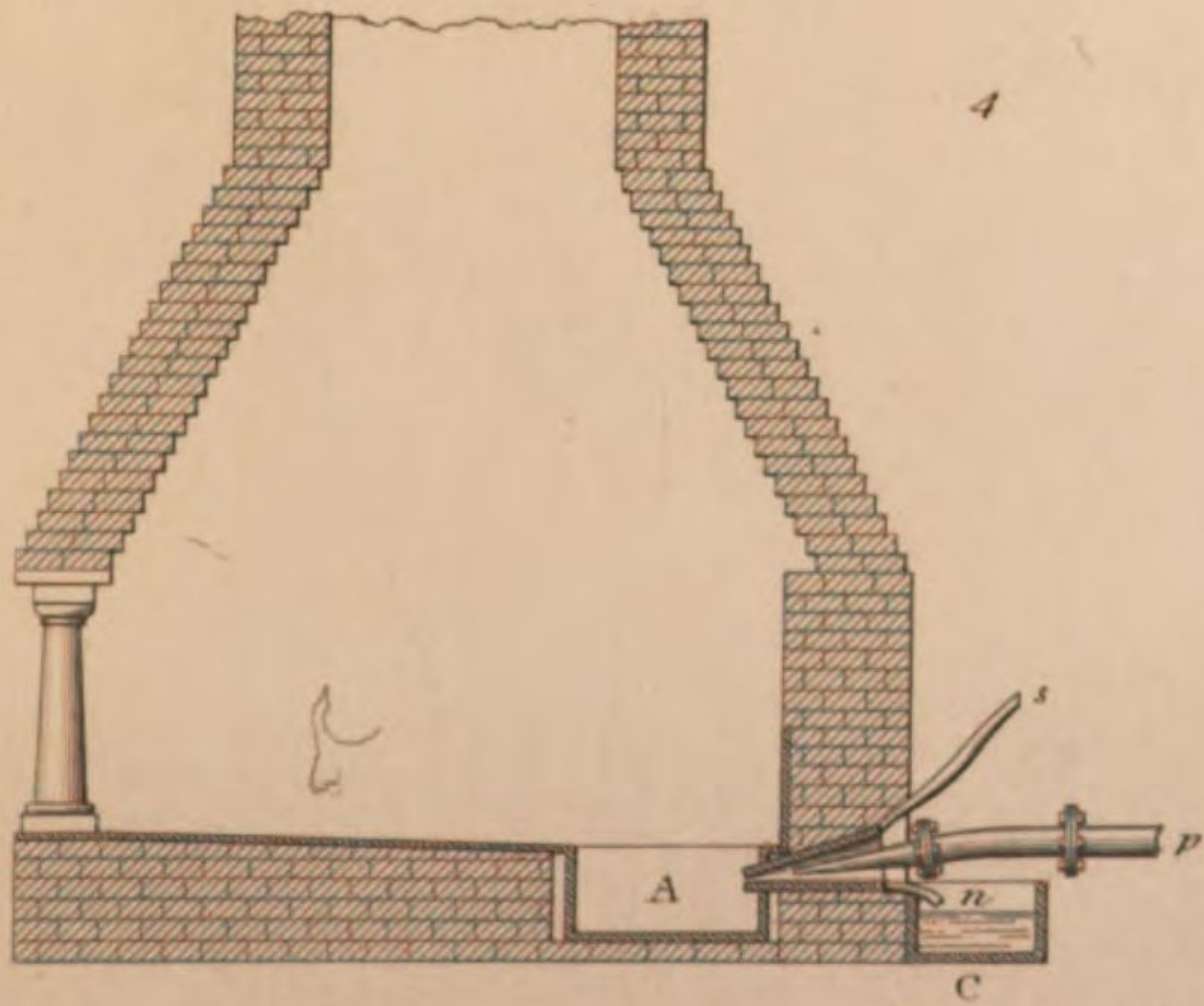
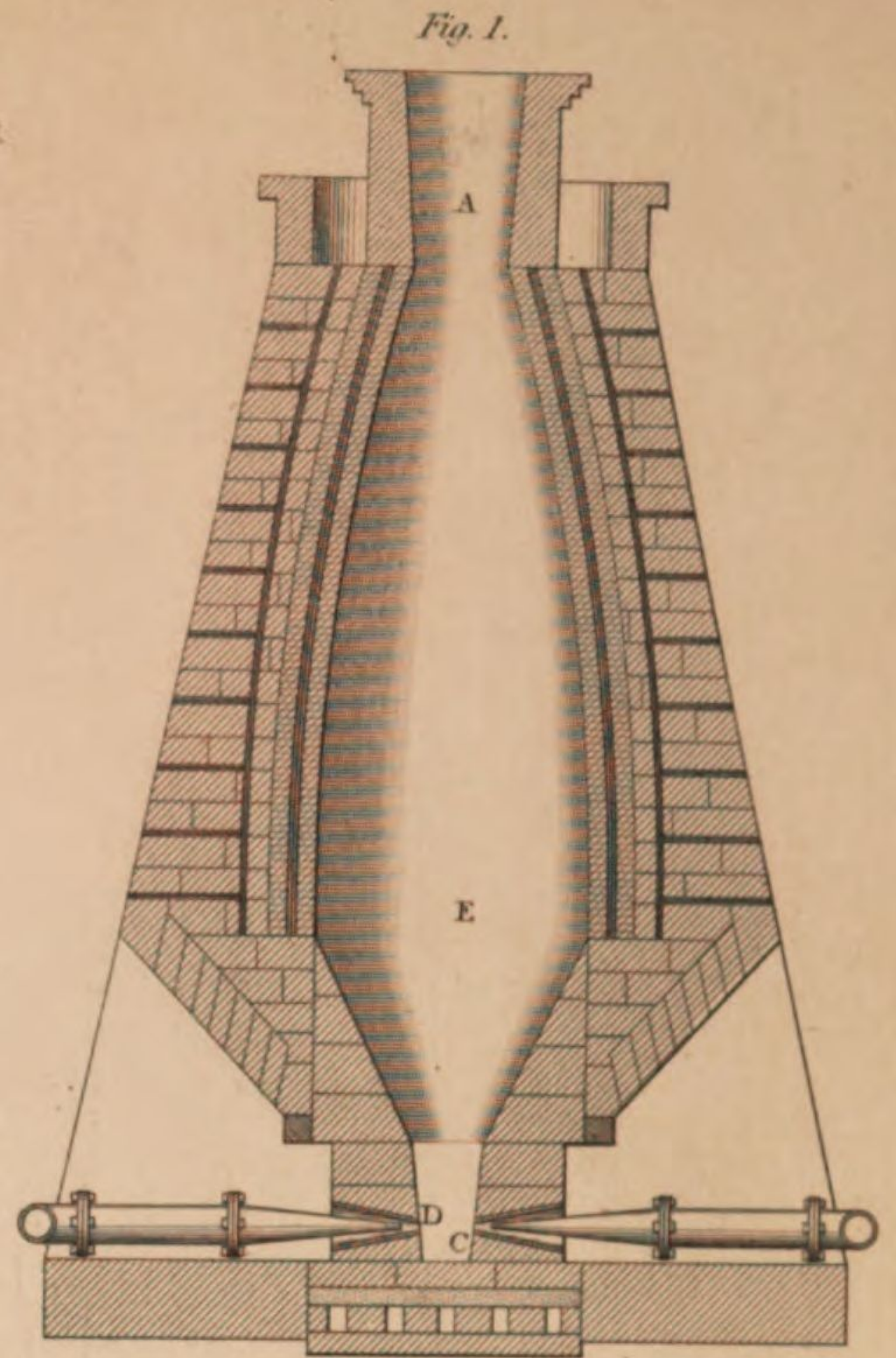
MANUFACTURES.

WORKS.
Iron Works.

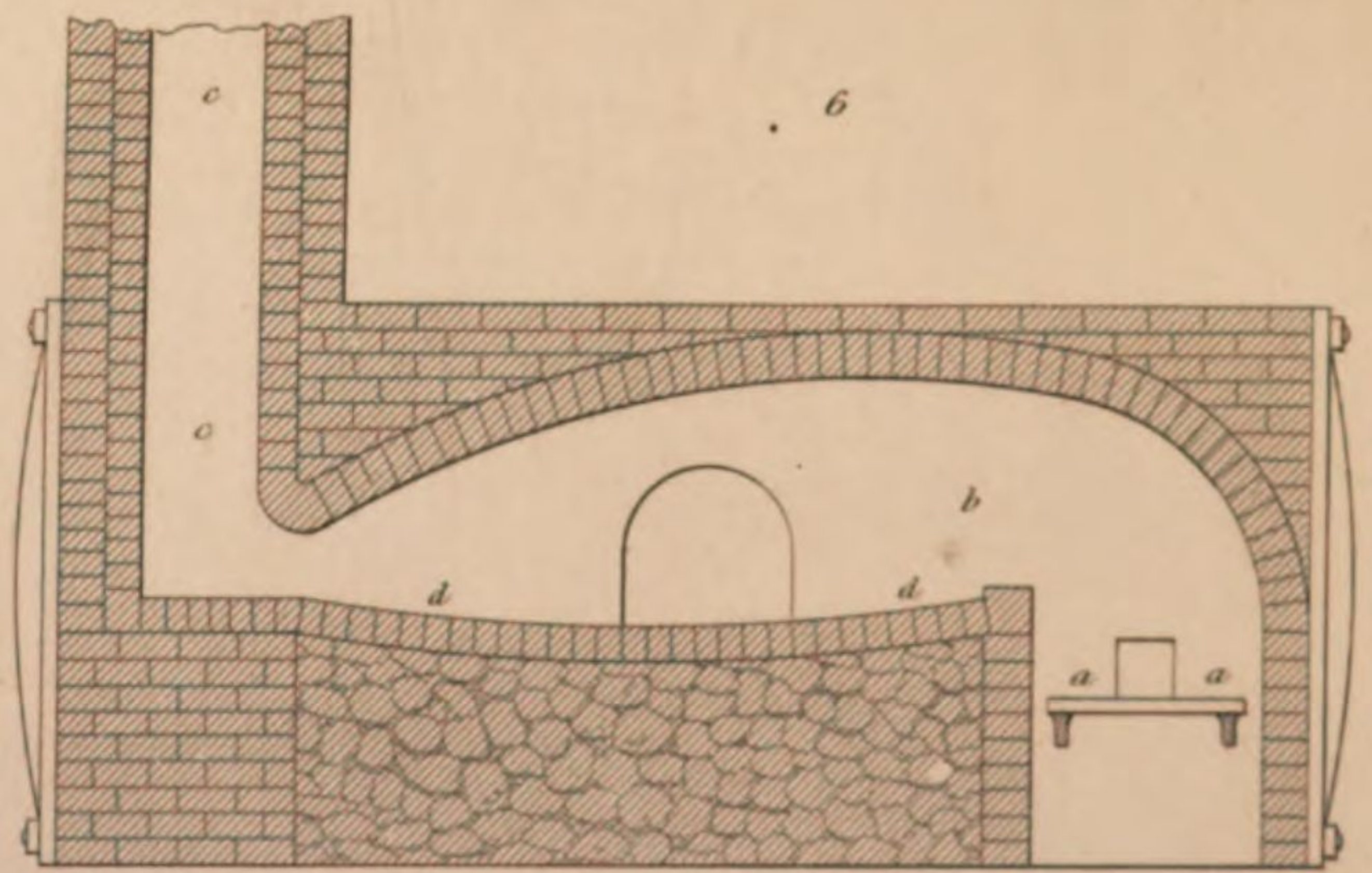
PLATE XLV.



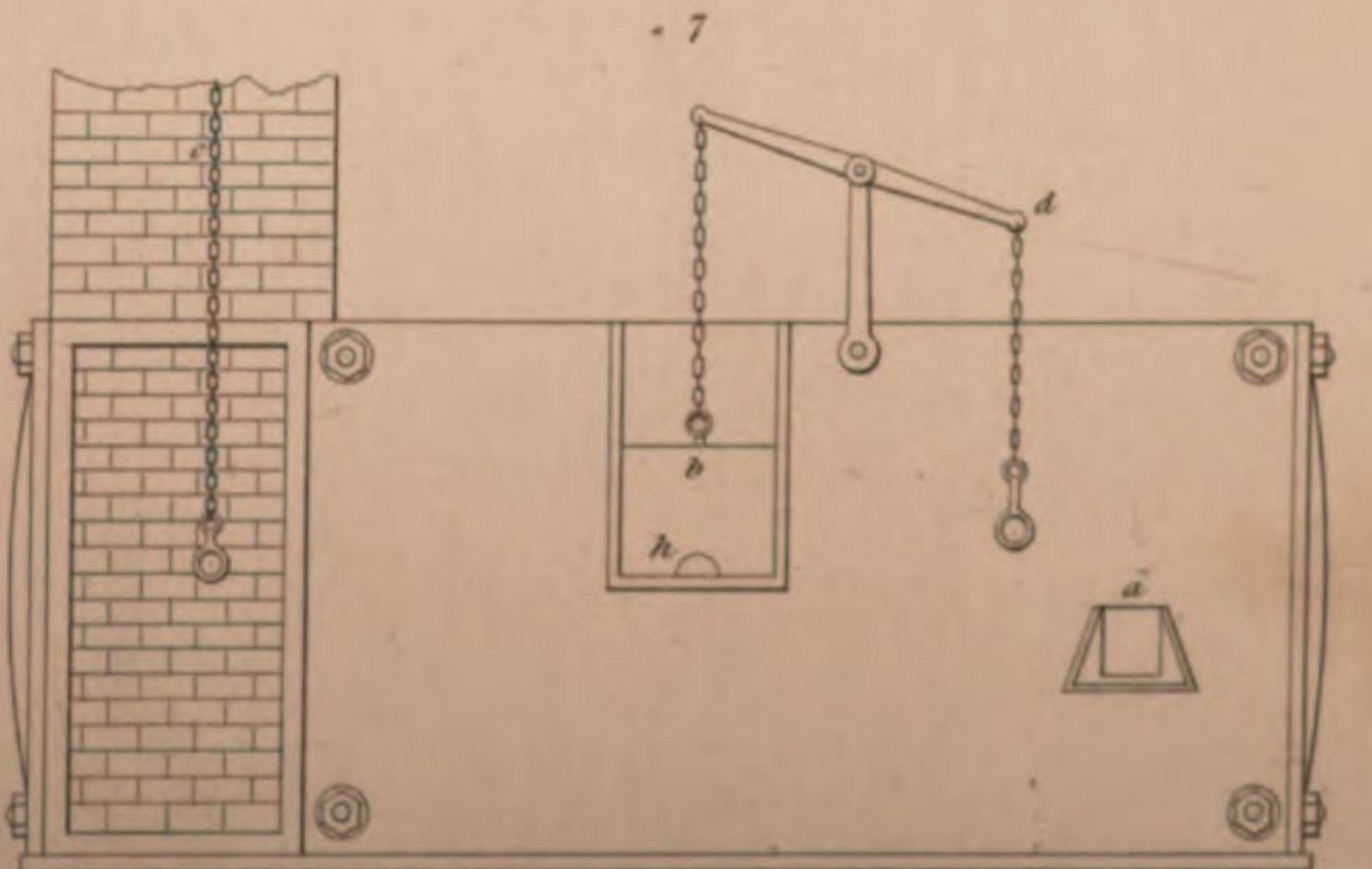
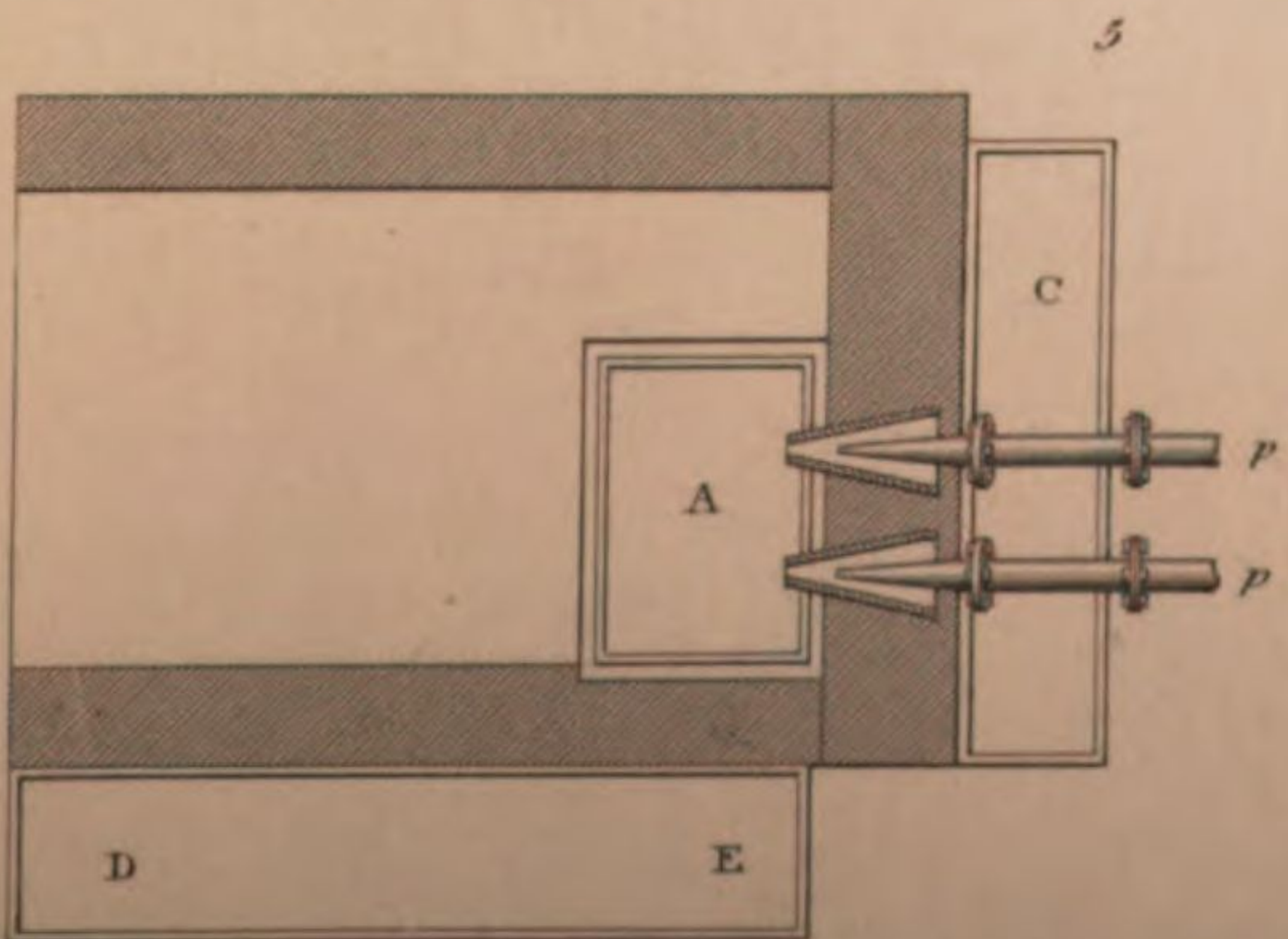
Blast furnace.



Refining furnace.



Puddling furnace.



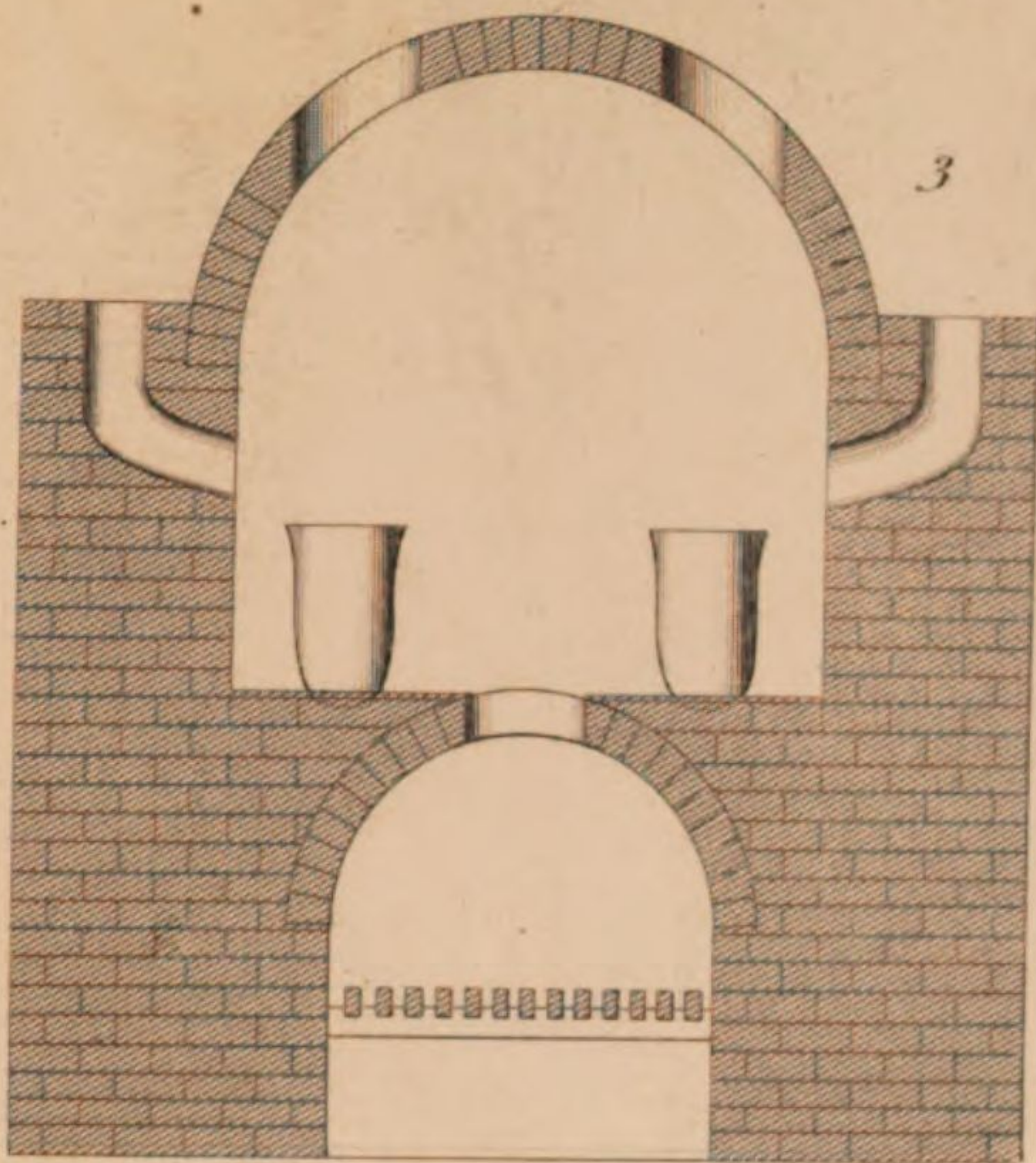
MANUFACTURES.

PLATE XLVI.

Brass Furnace

WORKS.

Steel Cementing Furnace



Platina Press

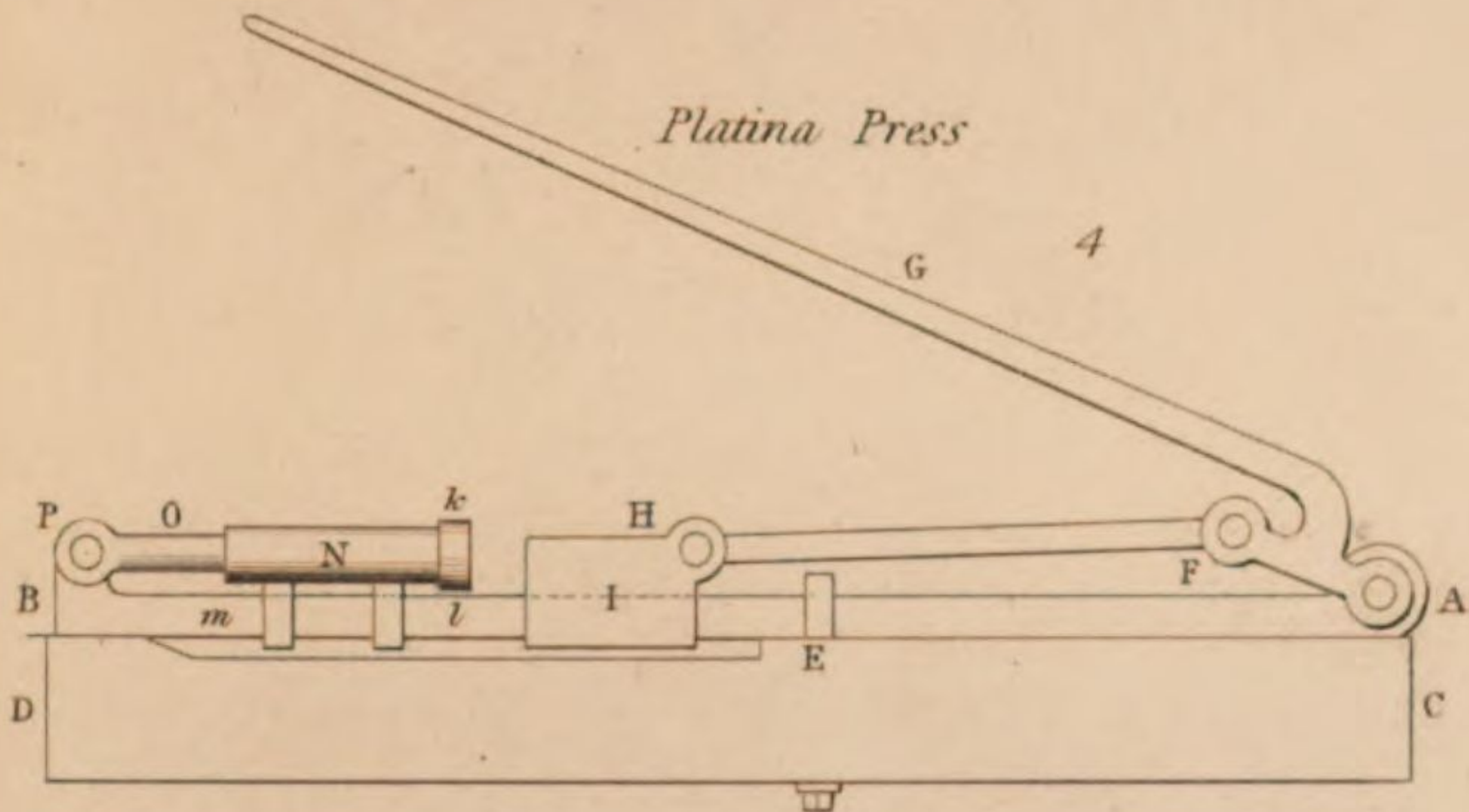
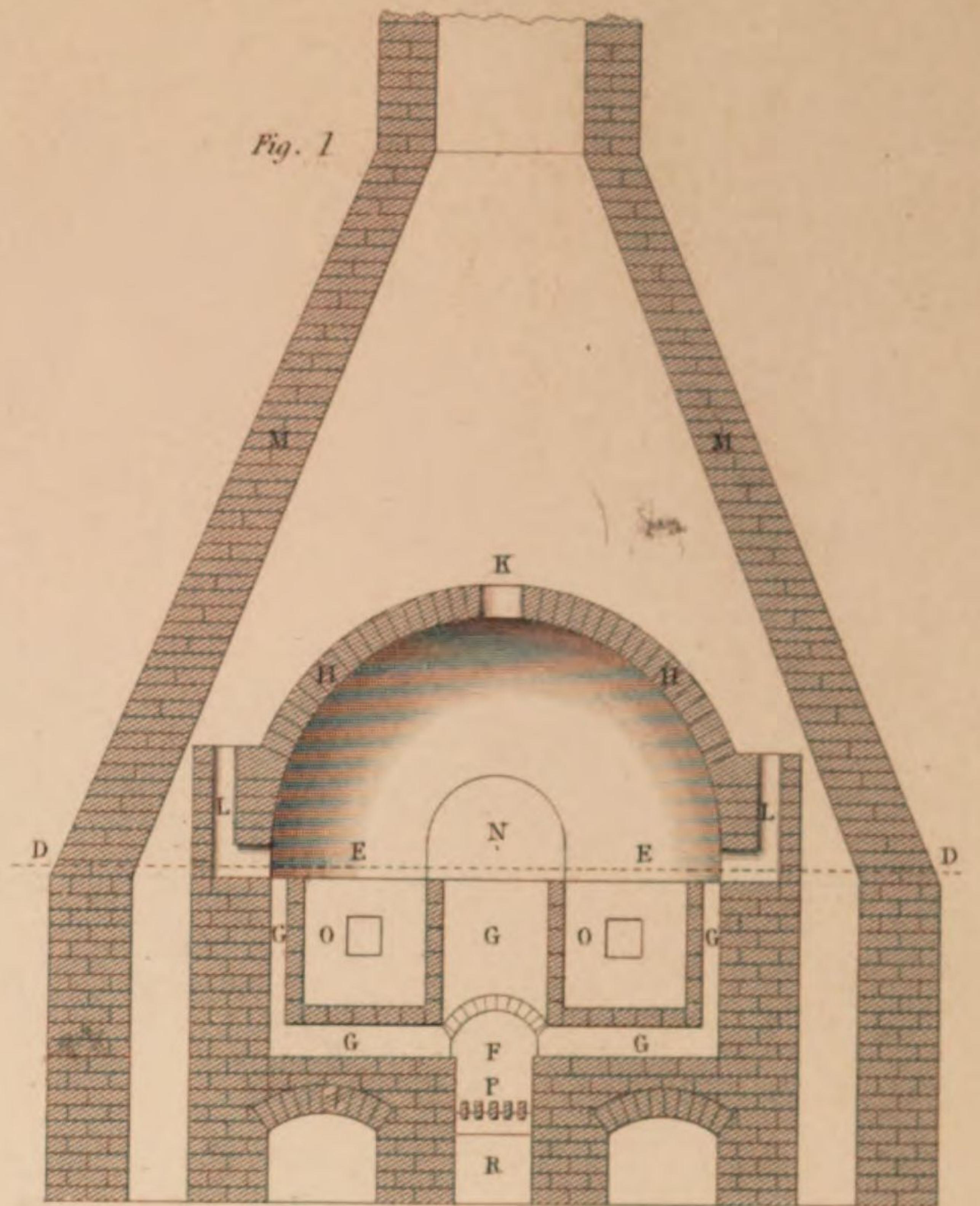
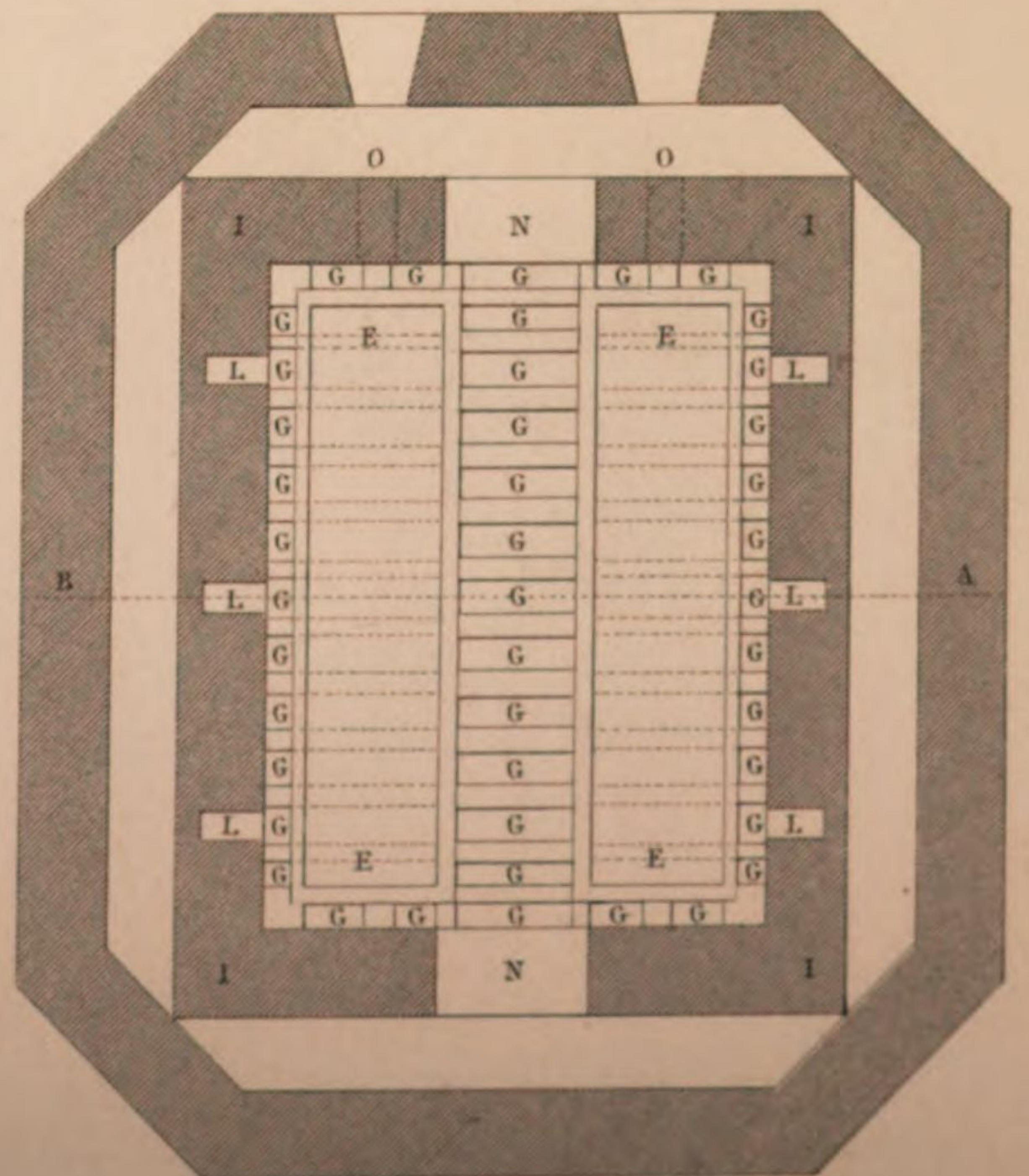


Fig. 1

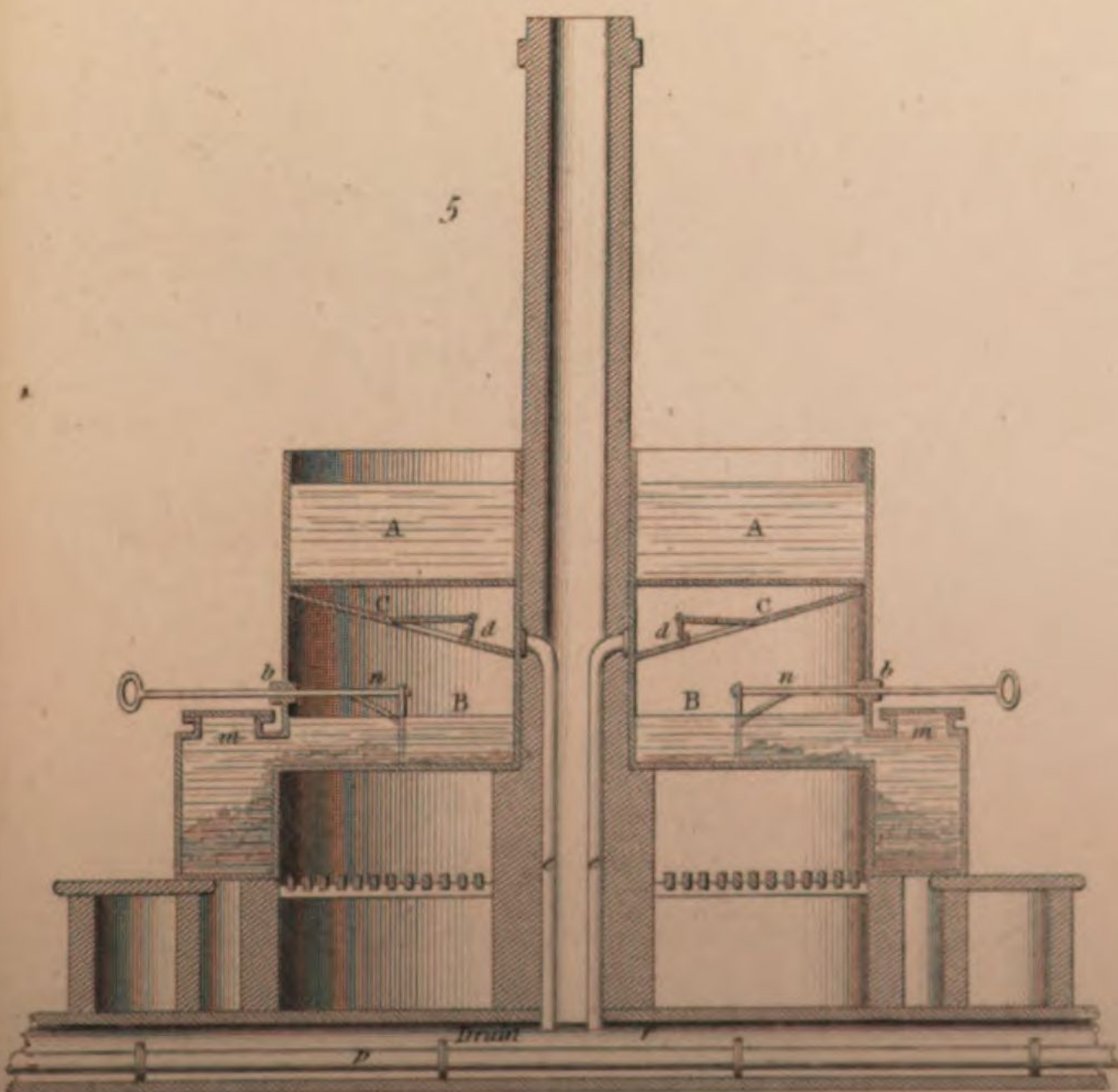


Plan

2



Steam Salt Works



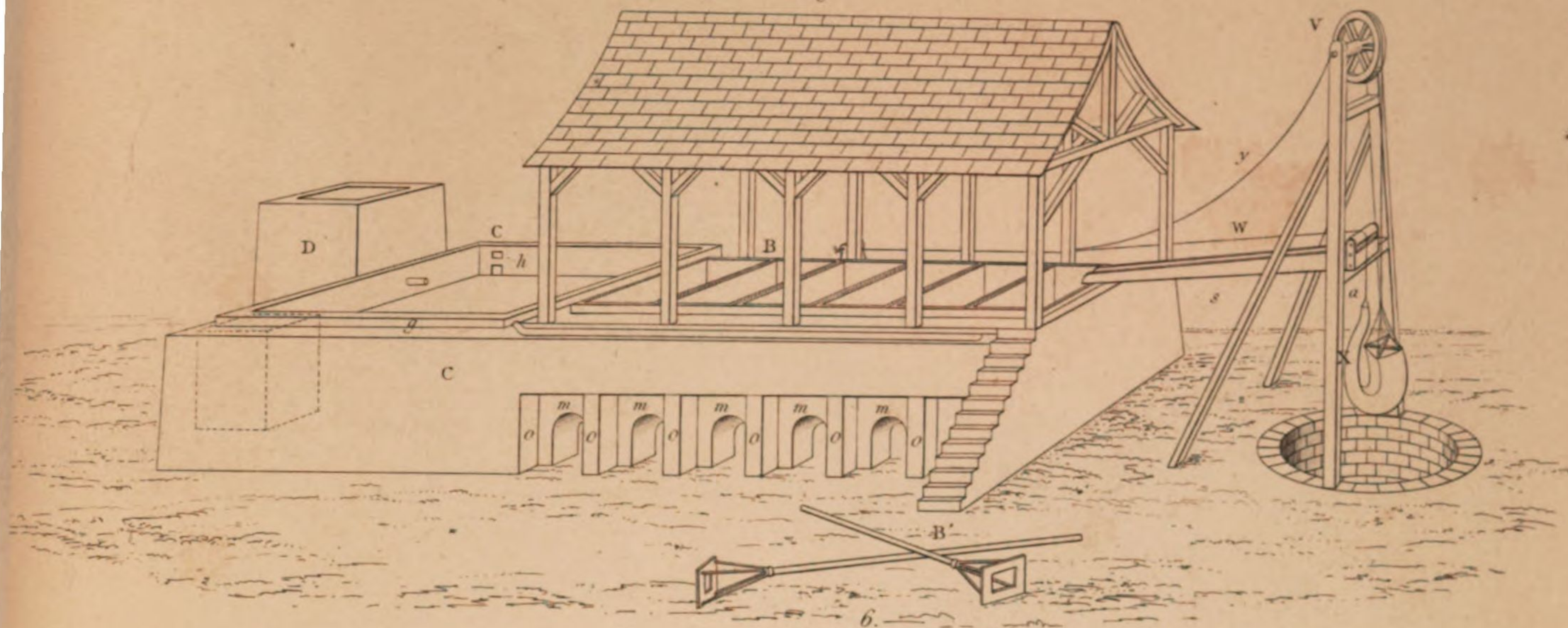
MANUFACTURES.

WORKS.

PLATE XIV.

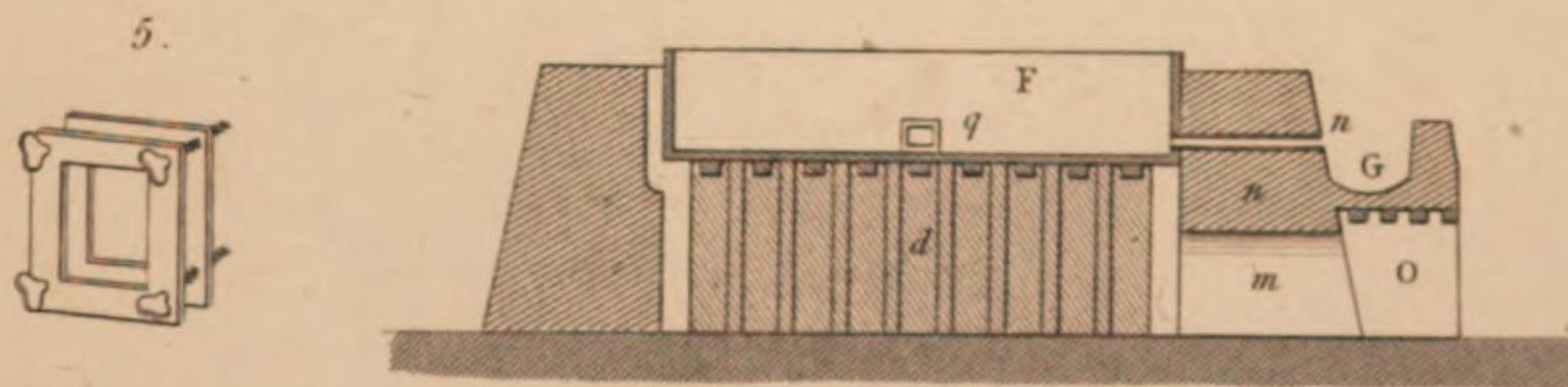
Indigo Works.

Fig. 1.



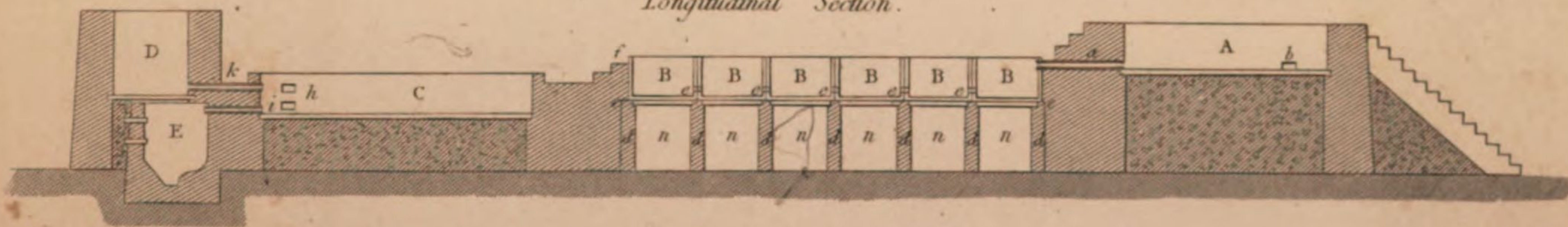
4.

Transverse Section.



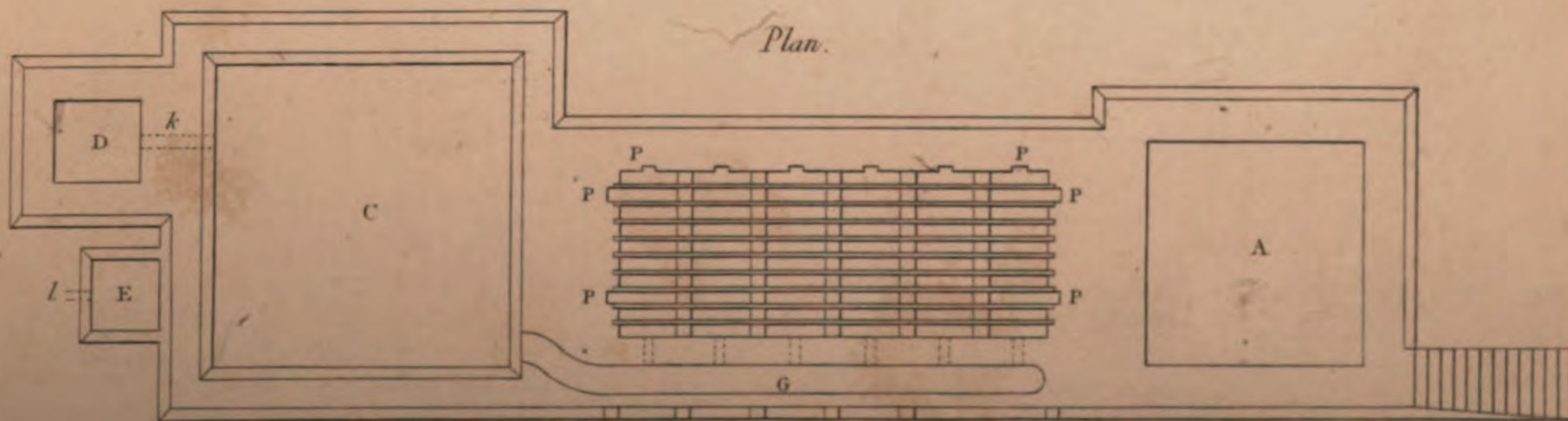
3.

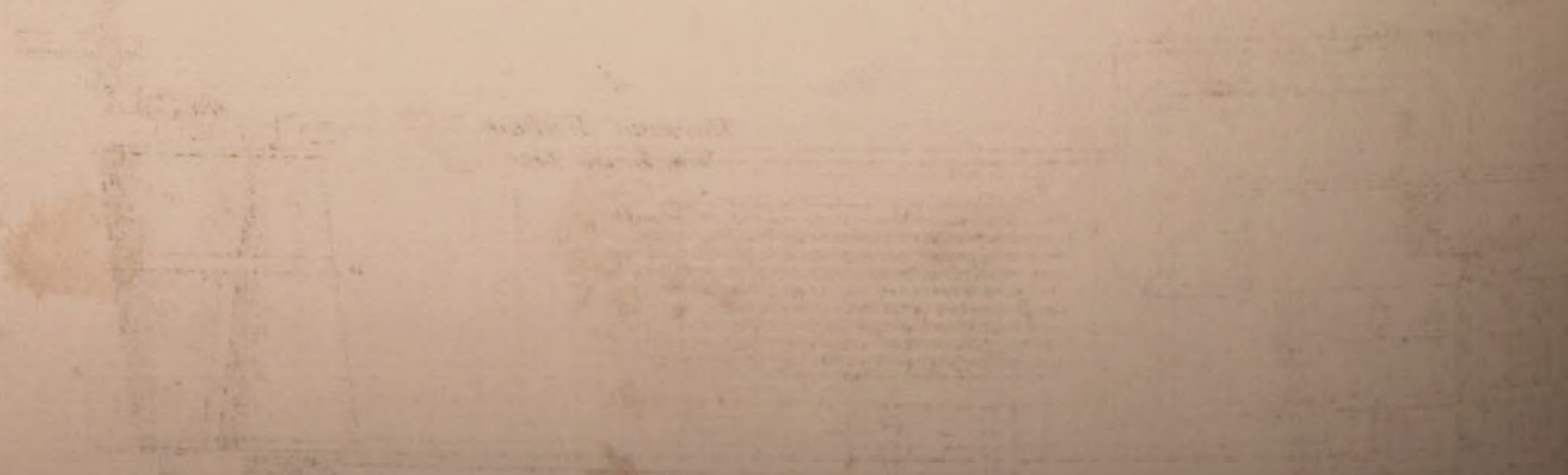
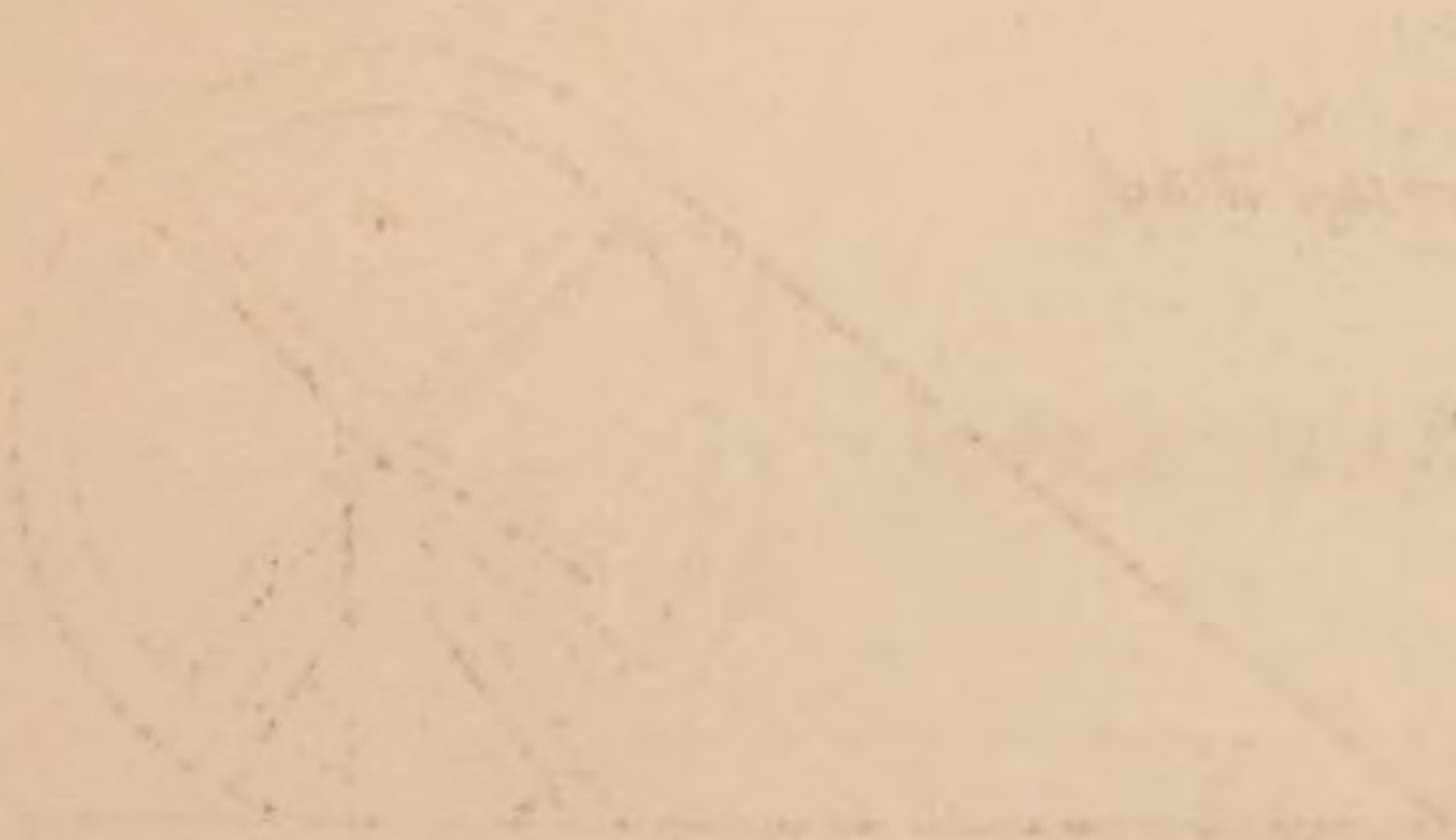
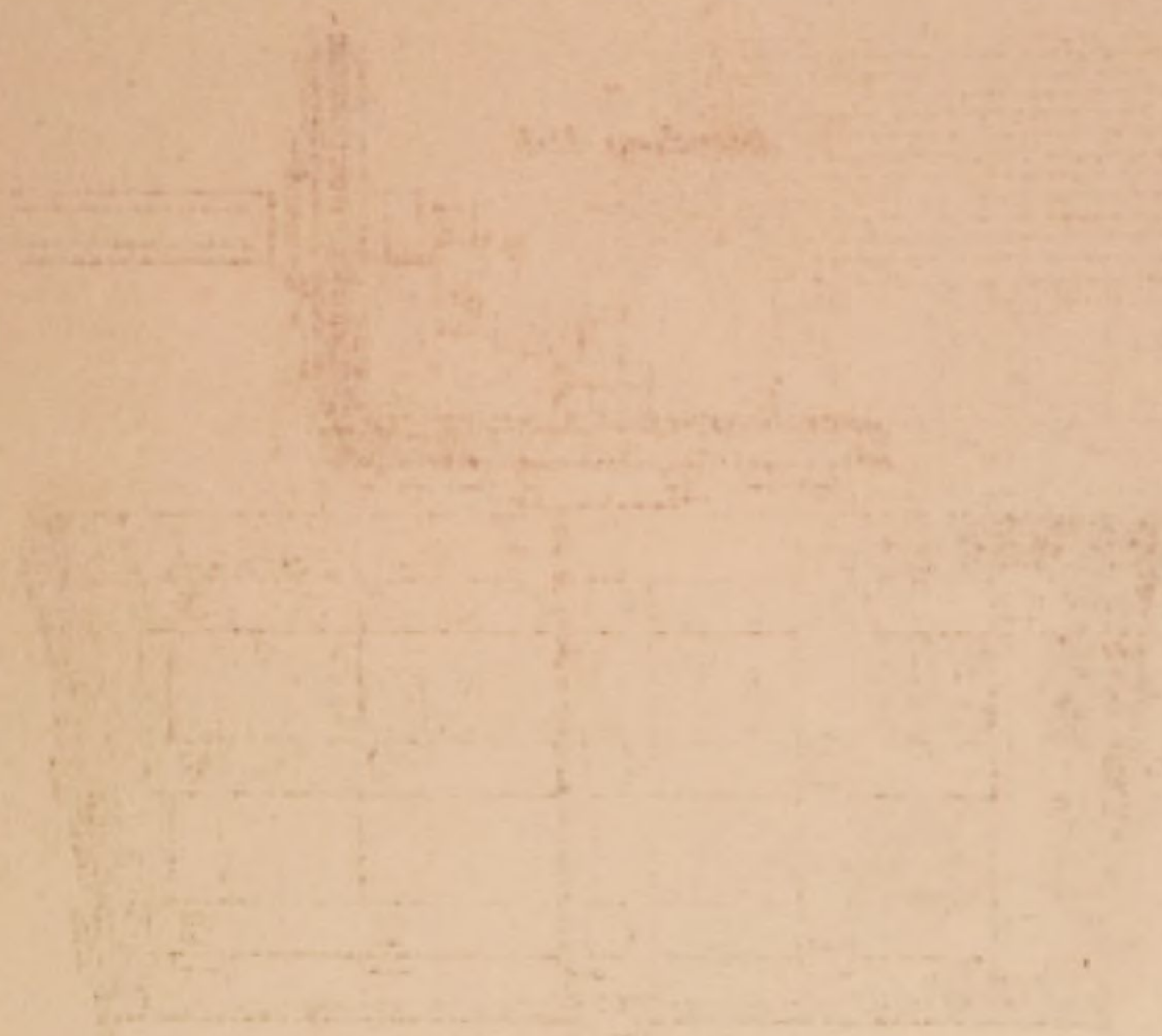
Longitudinal Section.

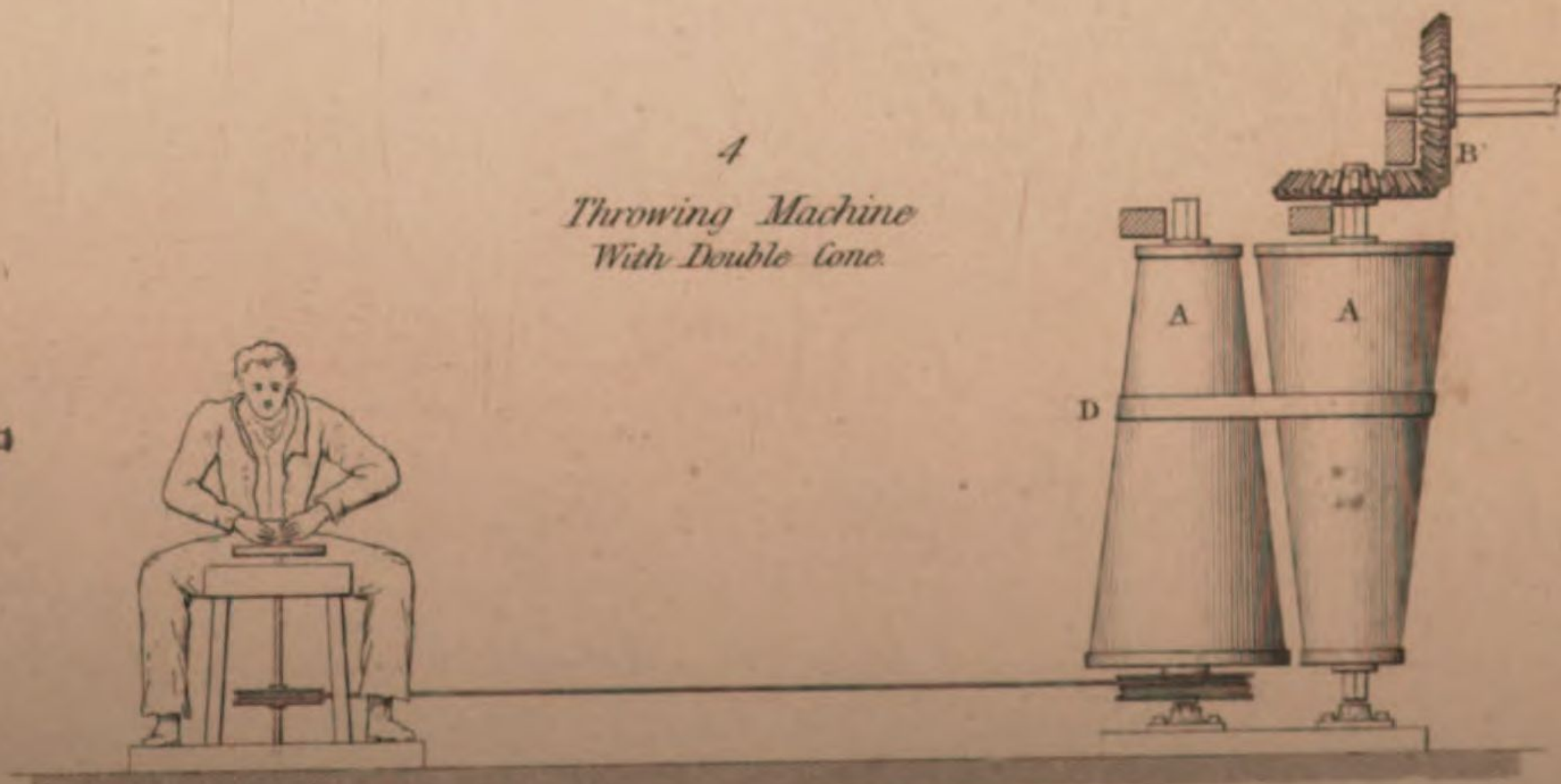
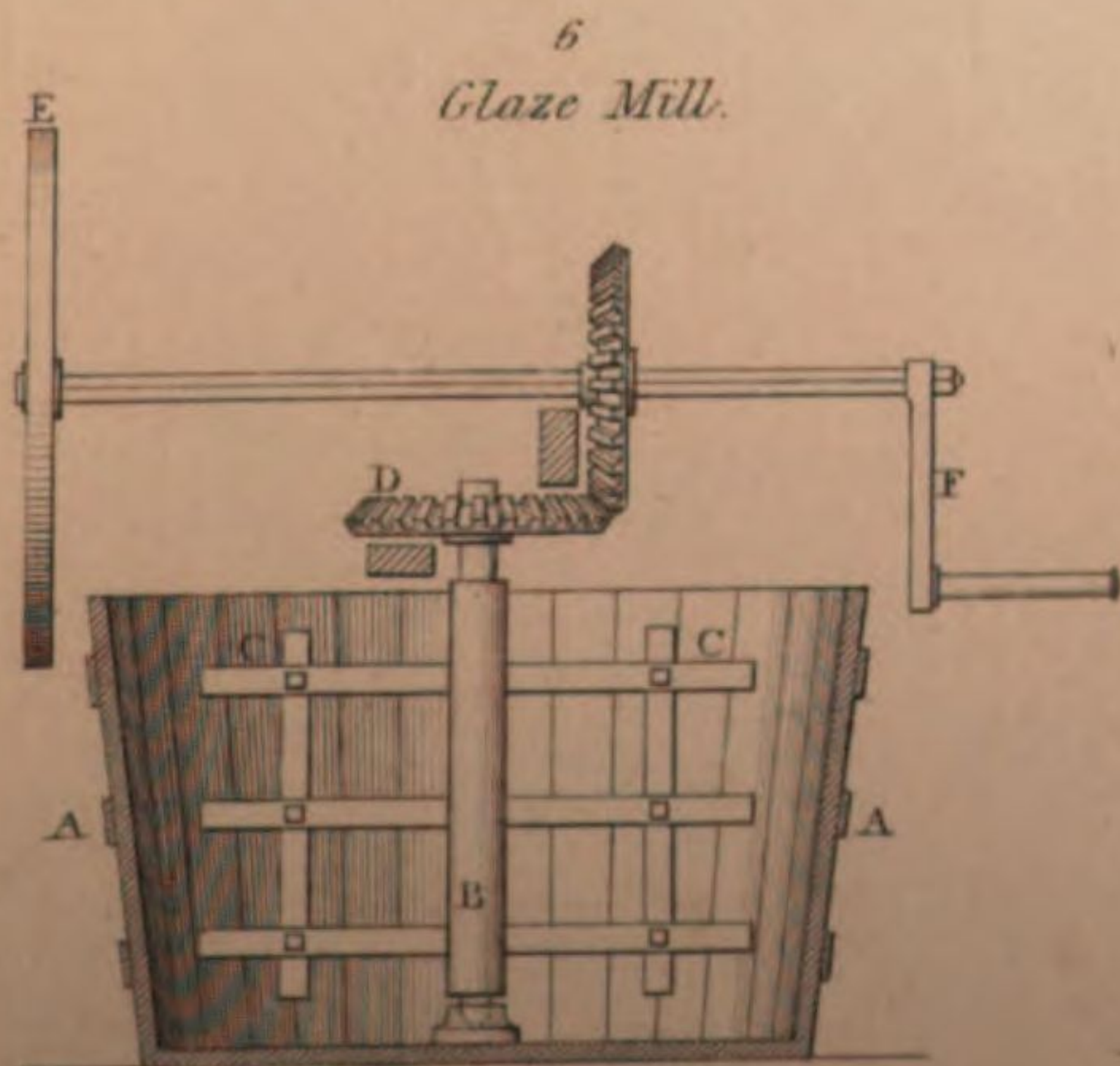
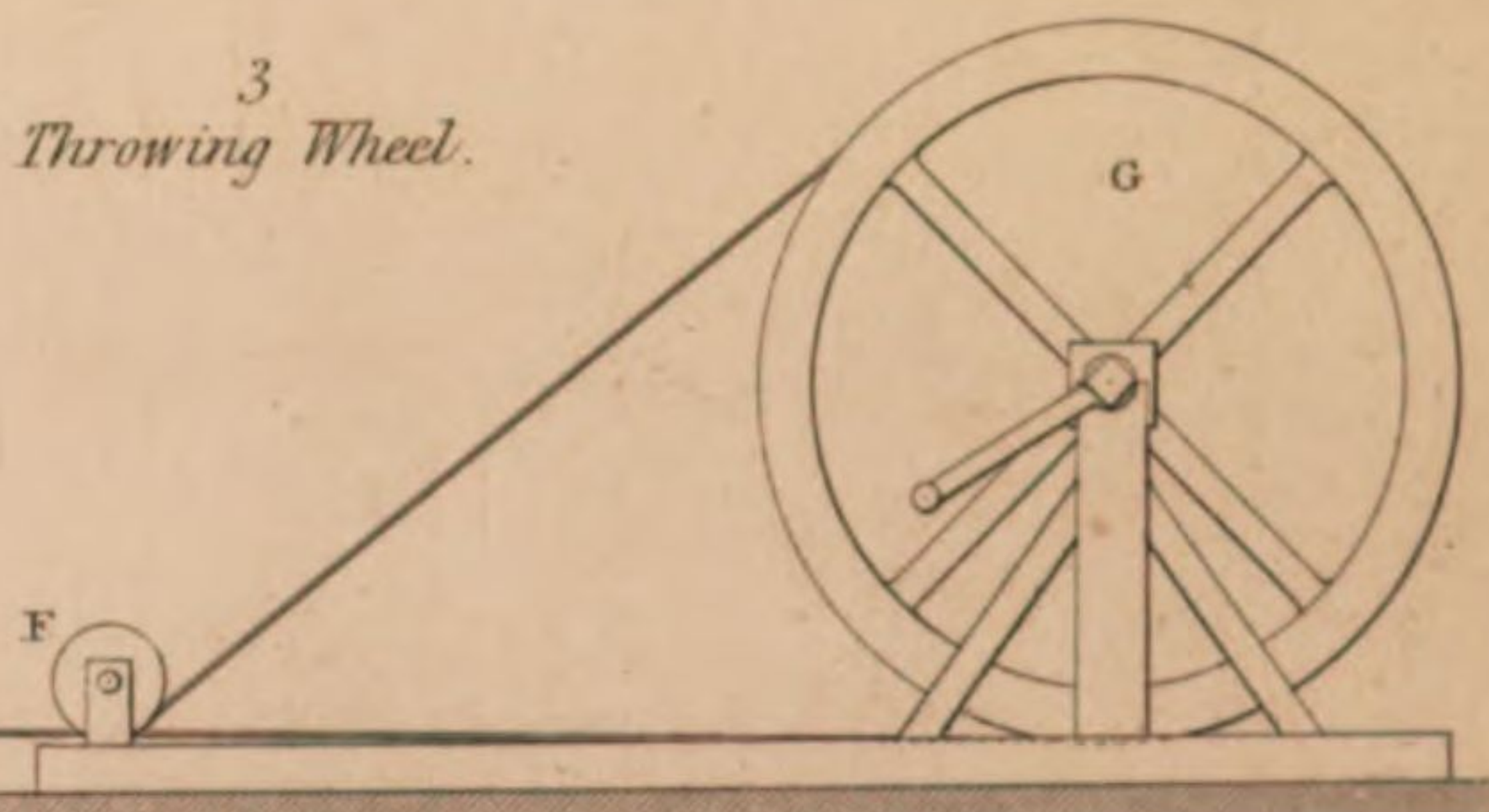
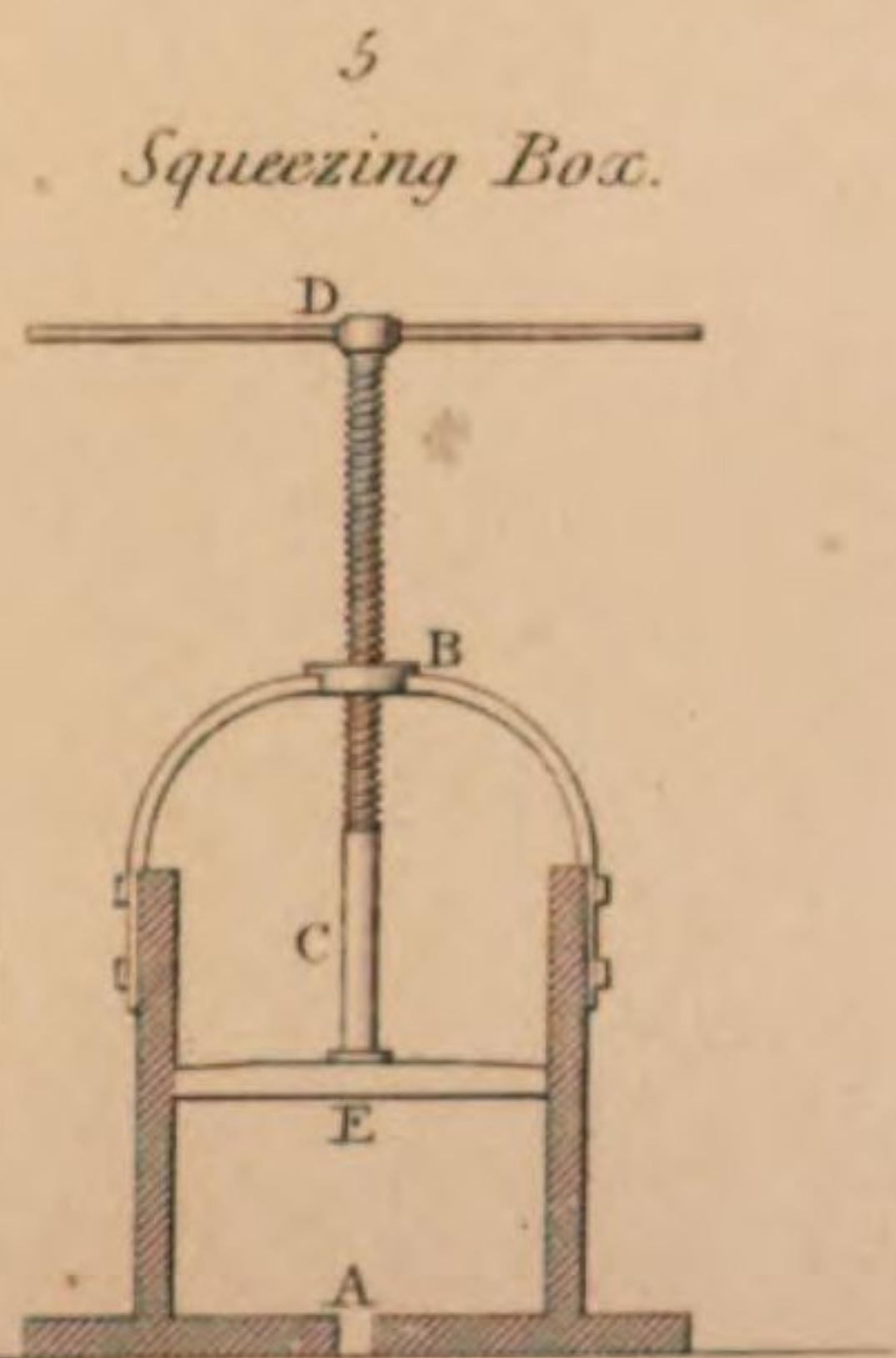
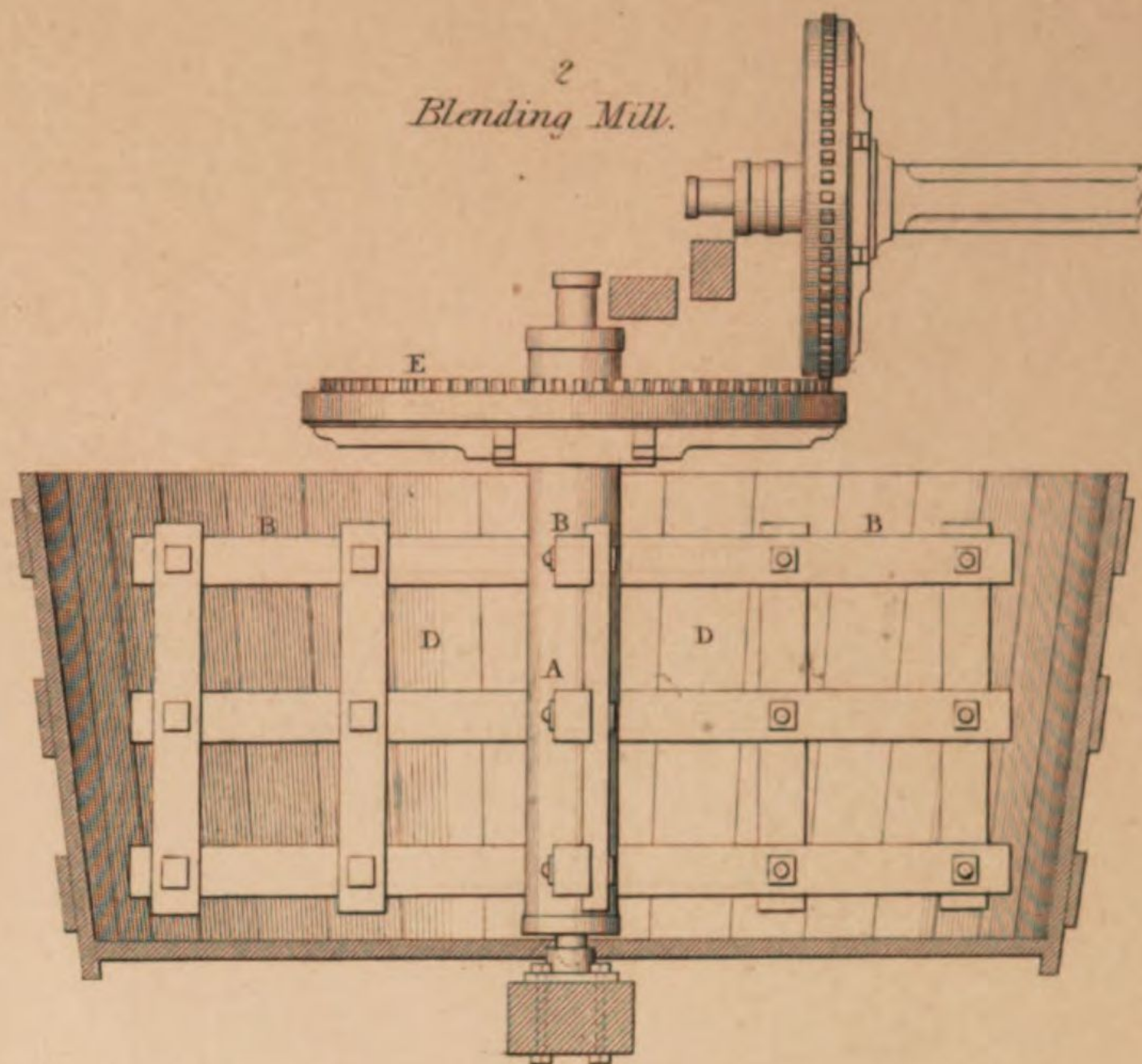
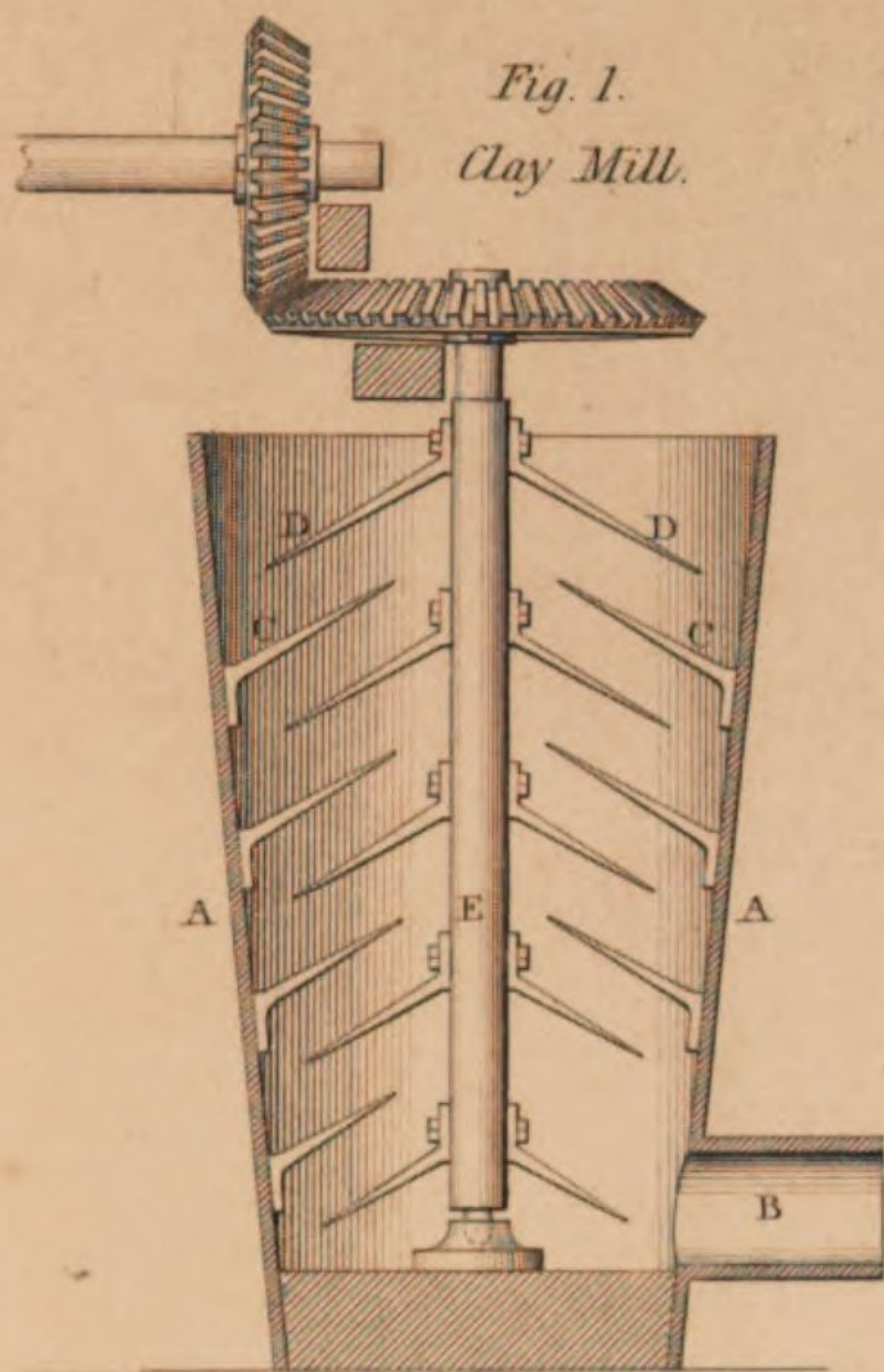


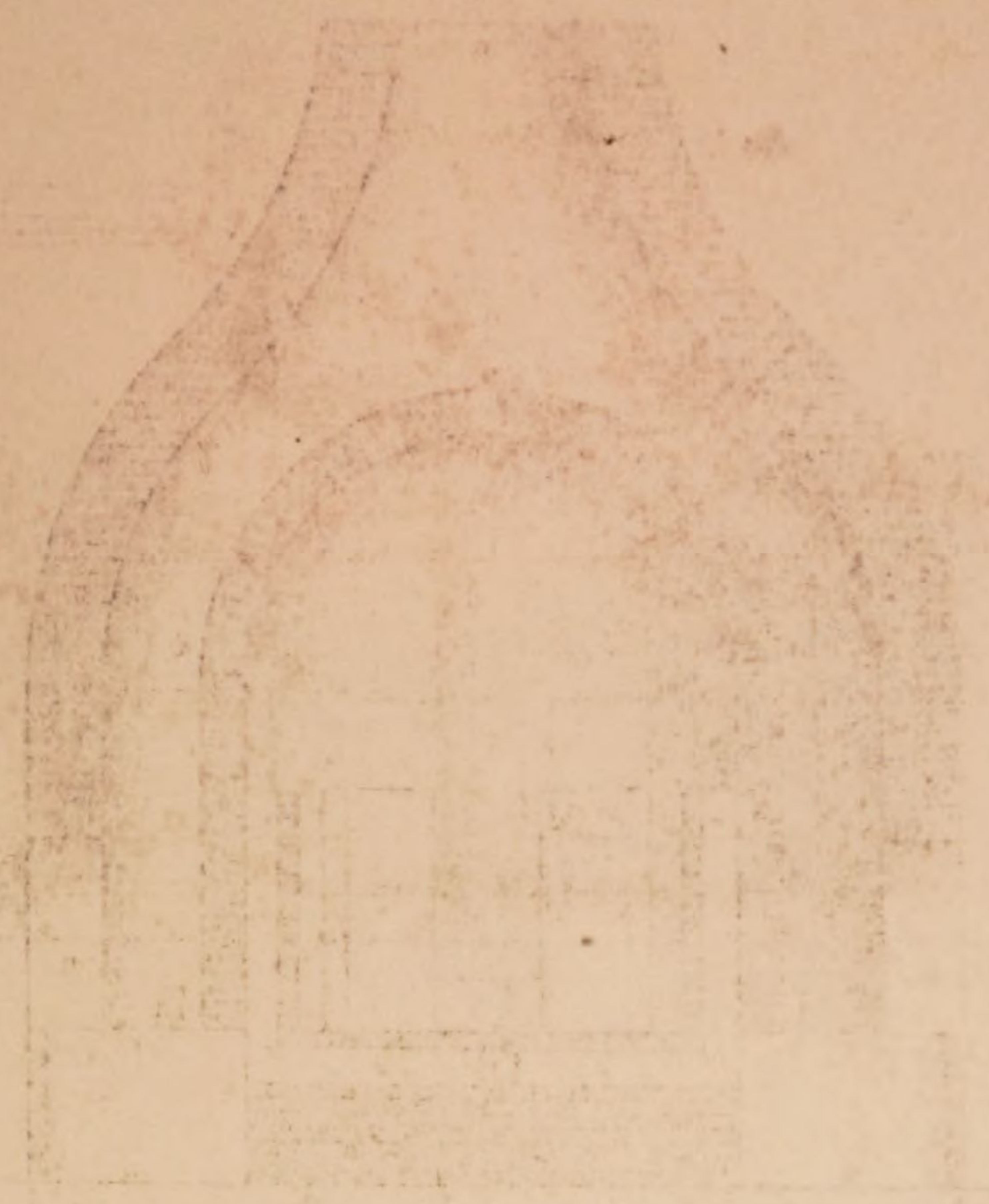
2.

Plan.



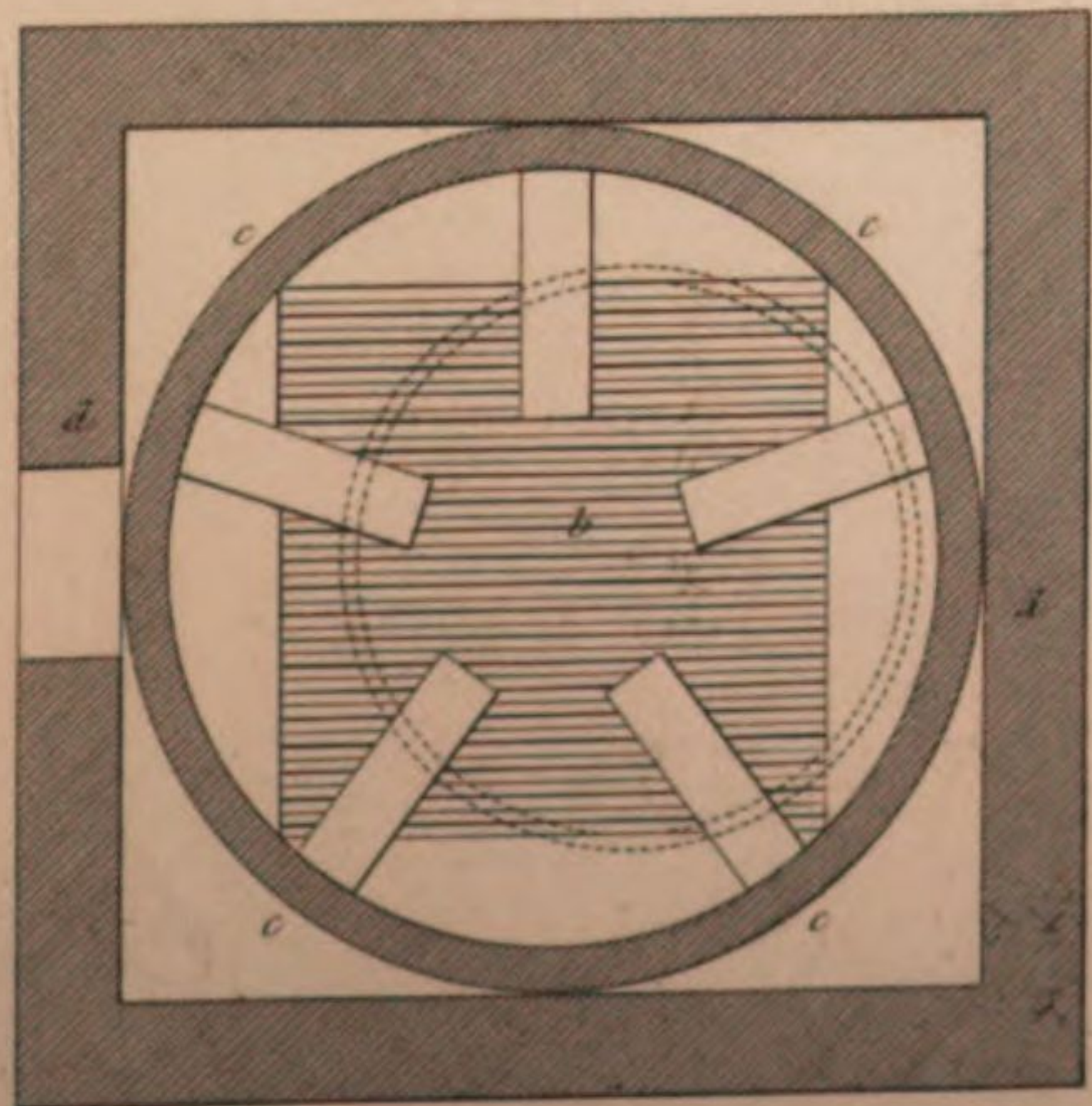






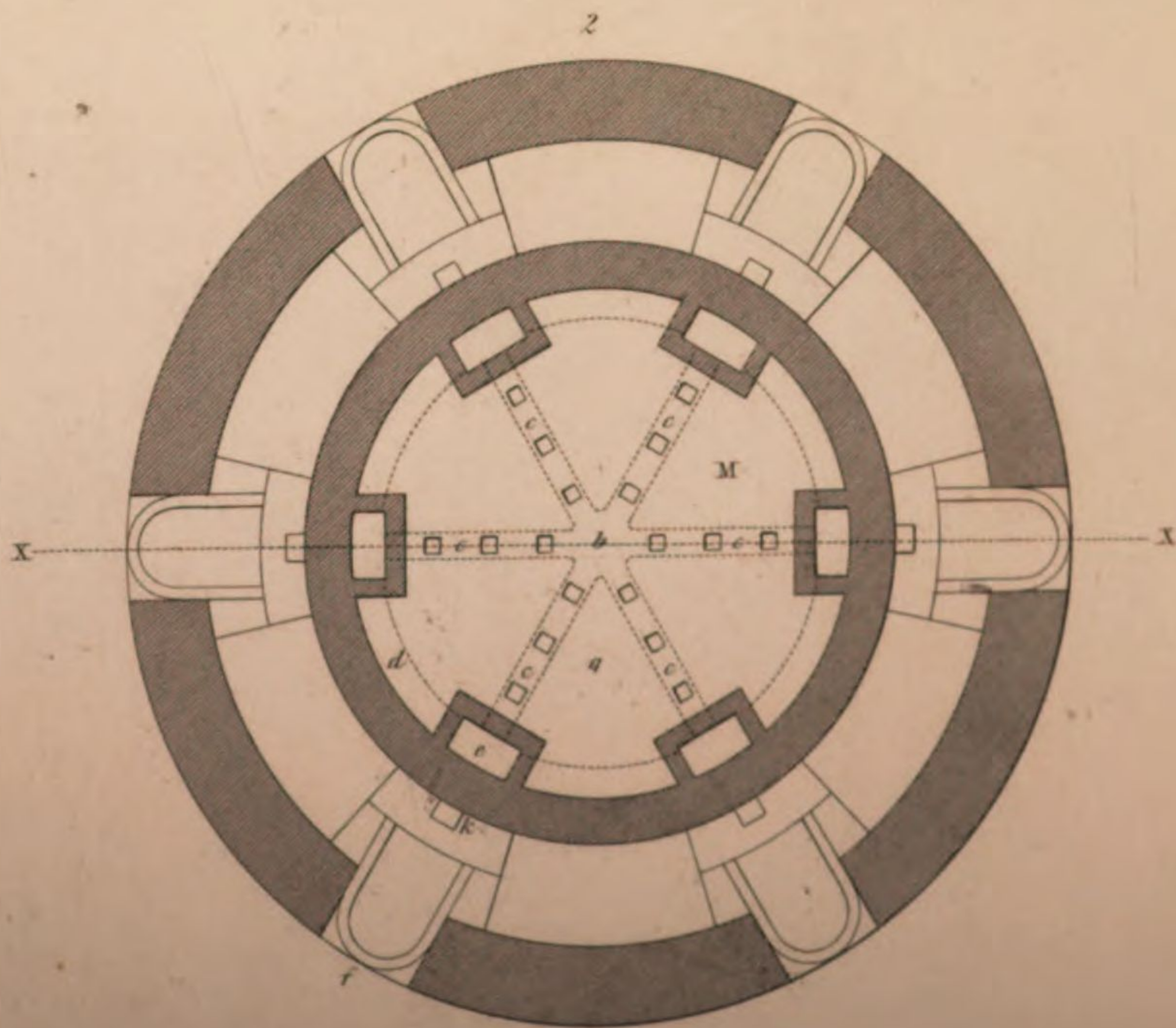
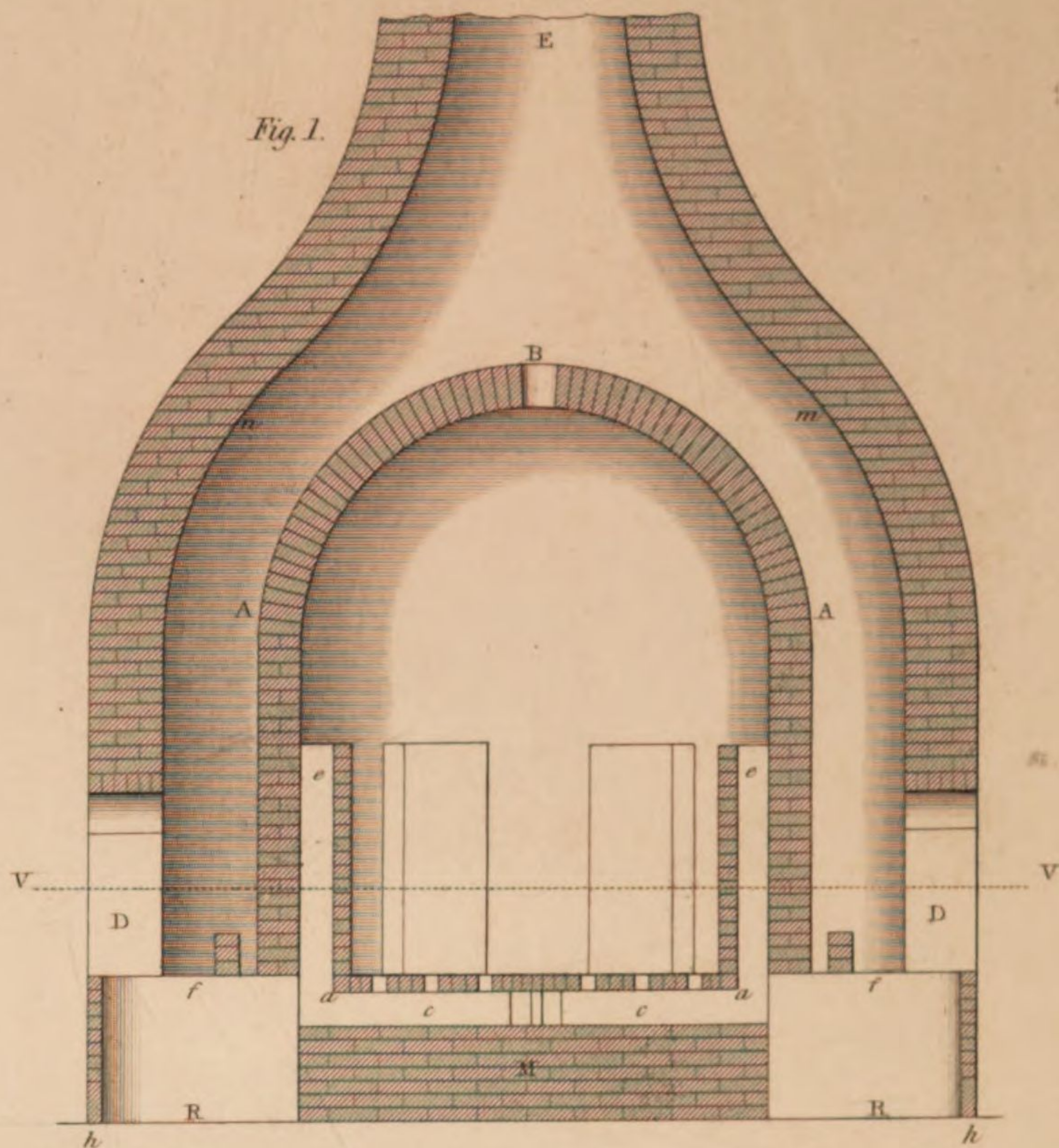
WORKS.

Pipe Makers Oven.
Section.



Potters Oven.

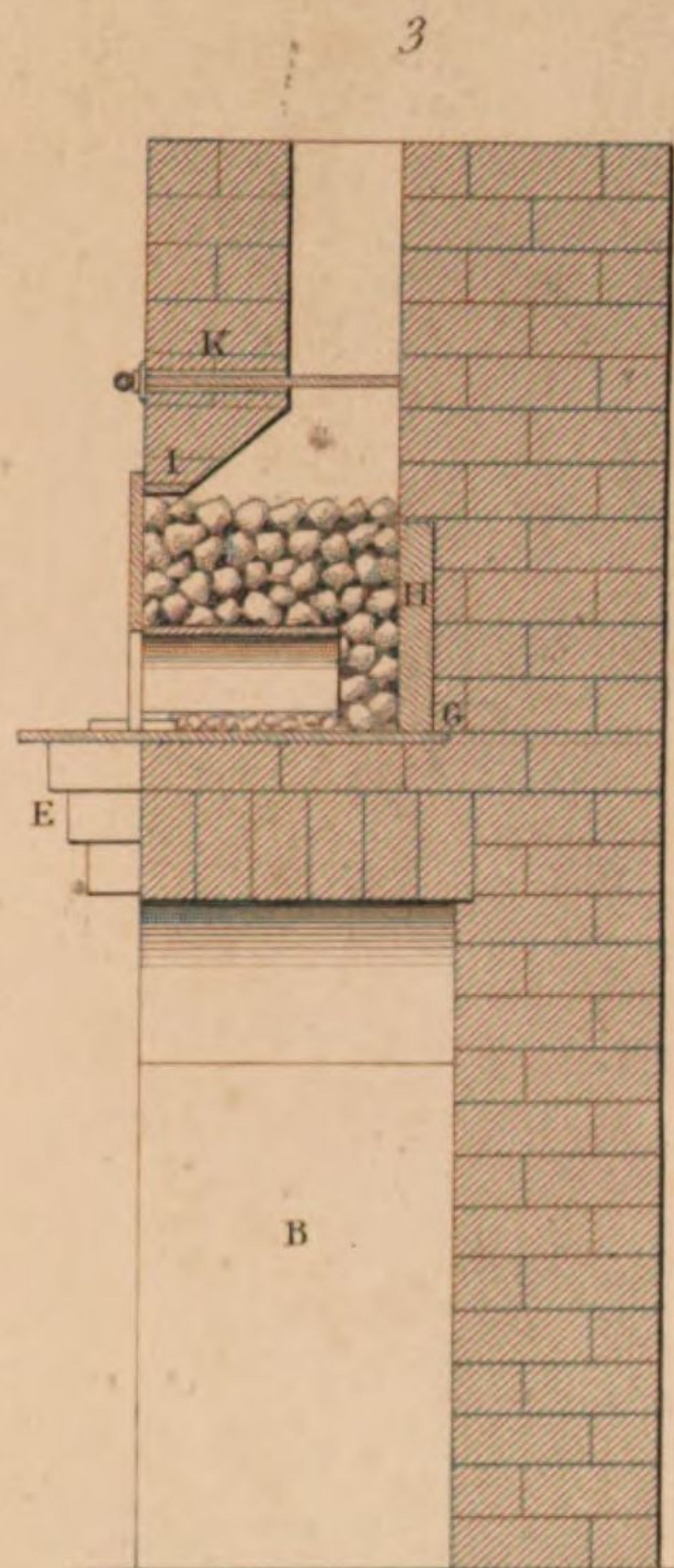
Section



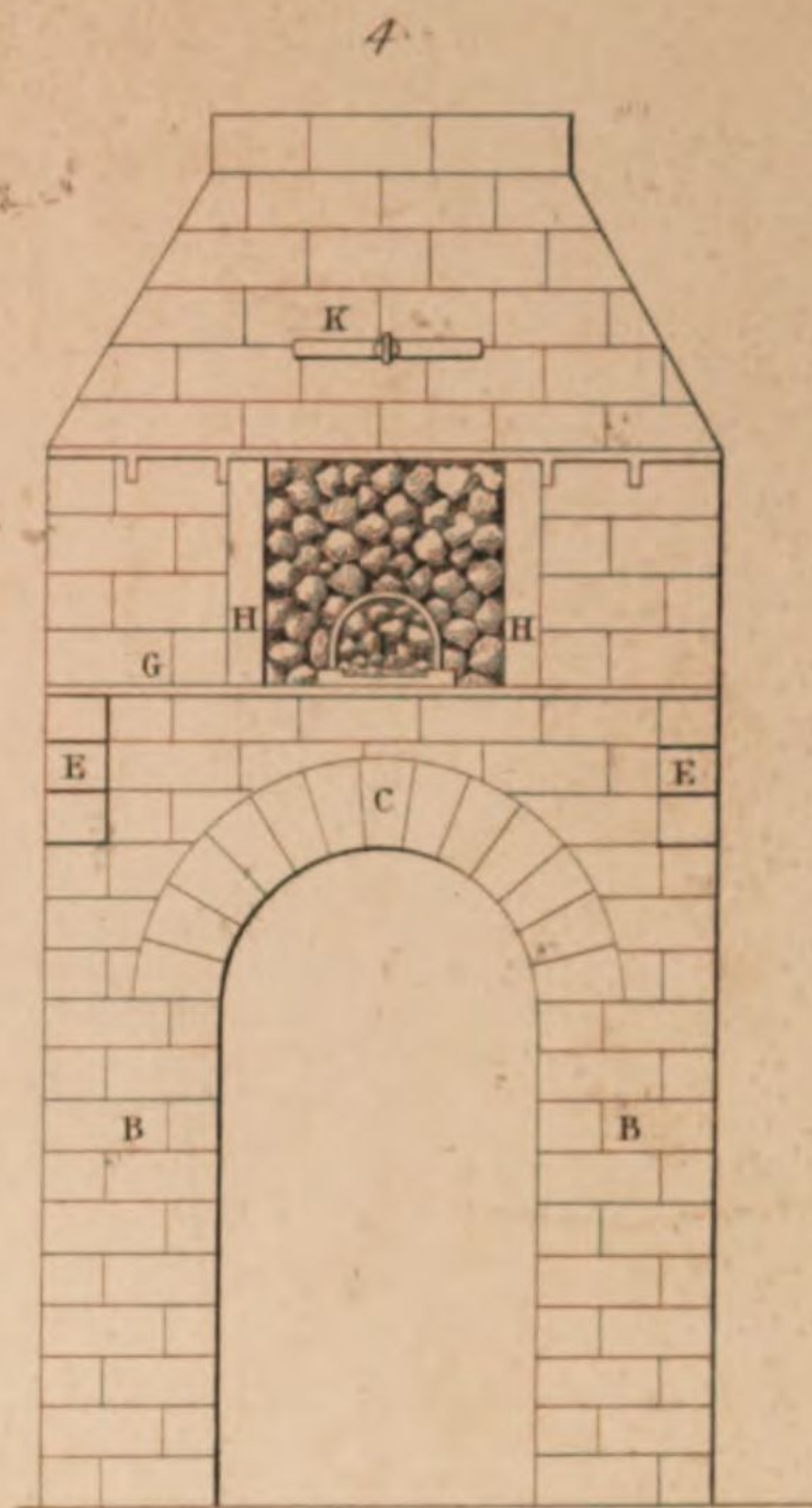
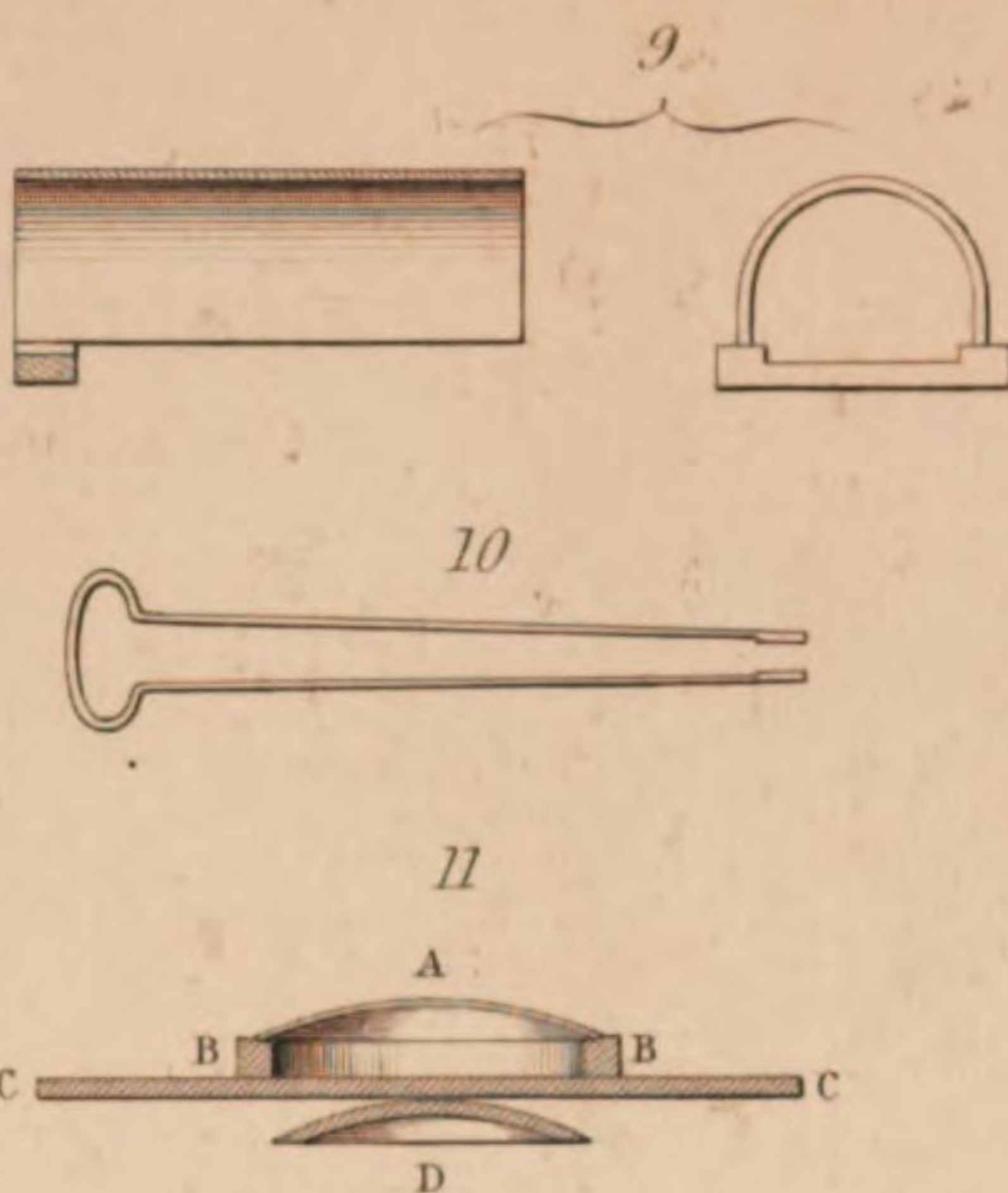
MANUFACTURES .

GLASS WORKS & ENAMELLING

PLATE L.



Enamelling furnace
and furnace tools



Tools used in Enamelling

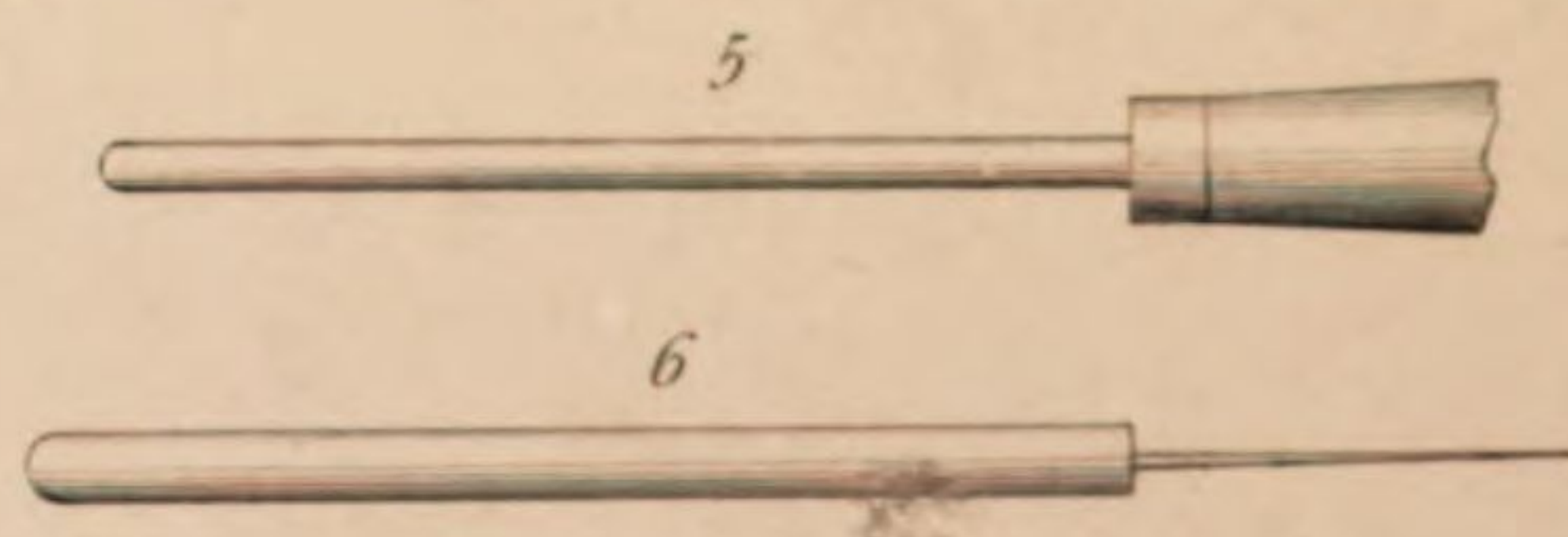
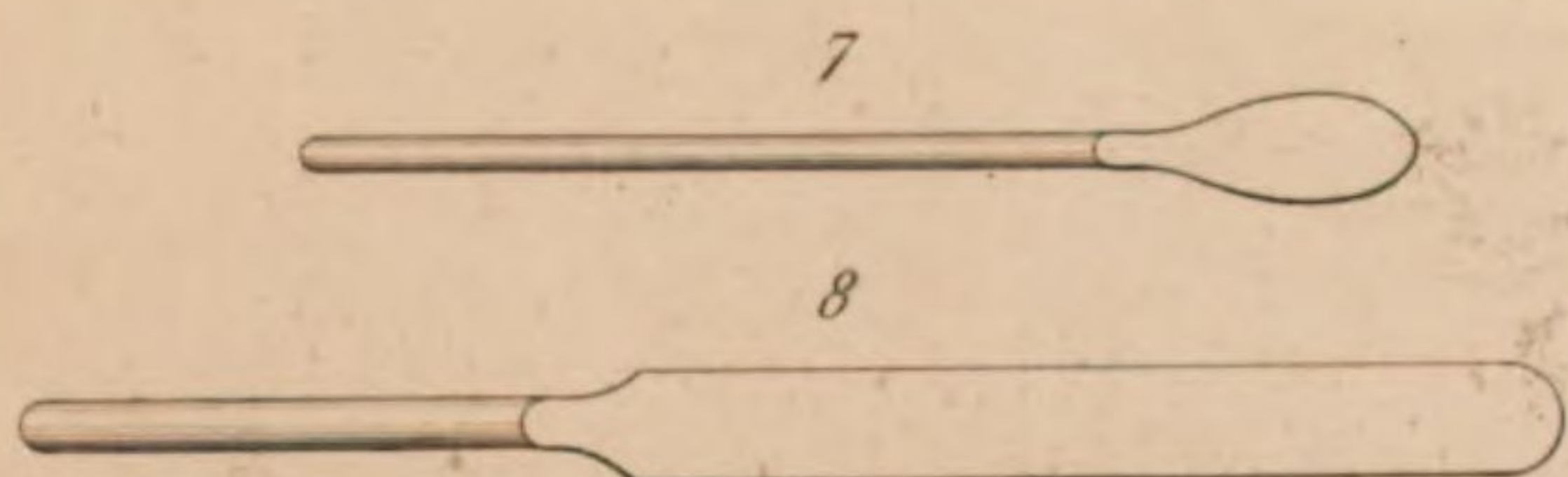
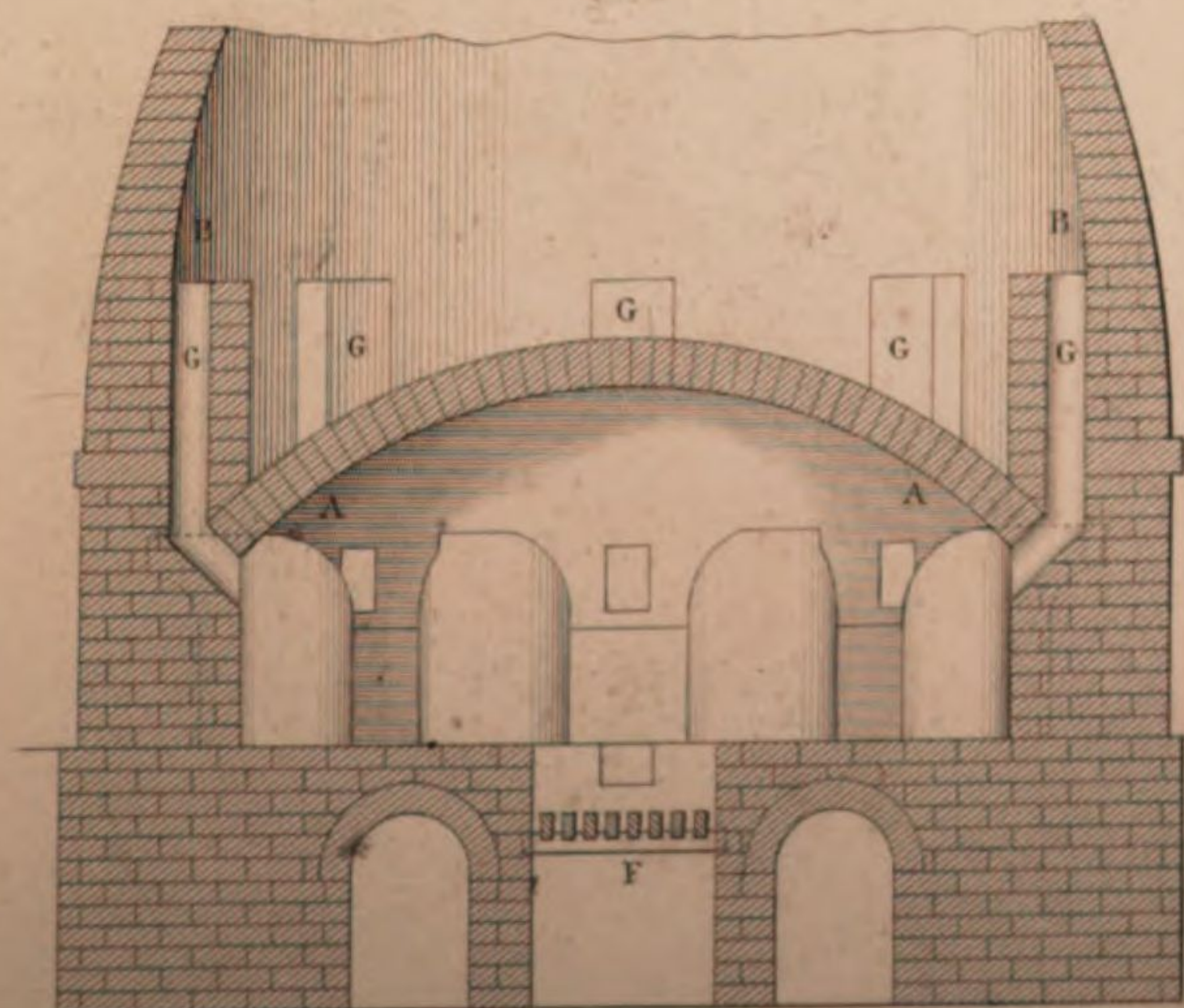


Fig. 1.



Flint Glass furnace

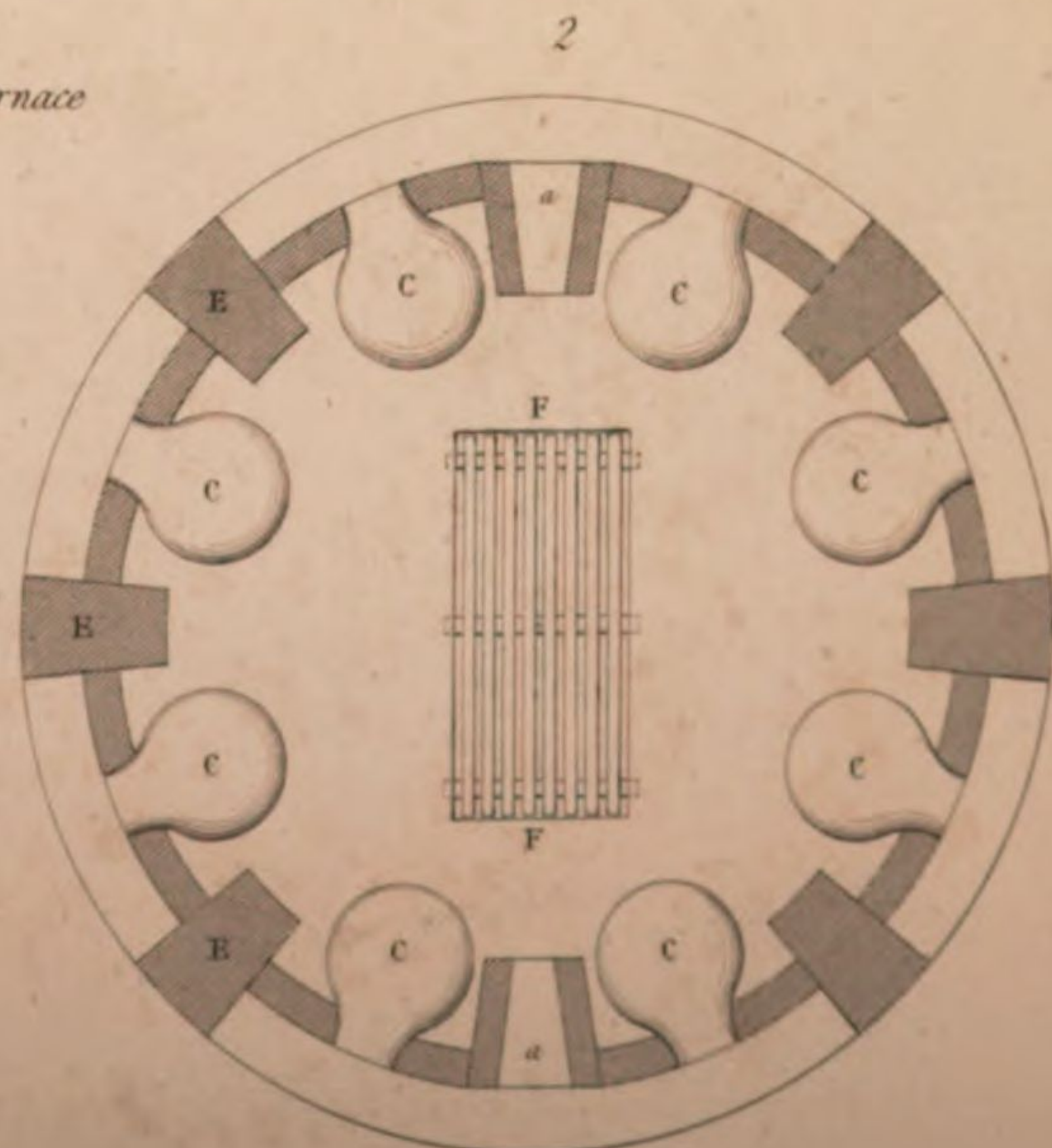


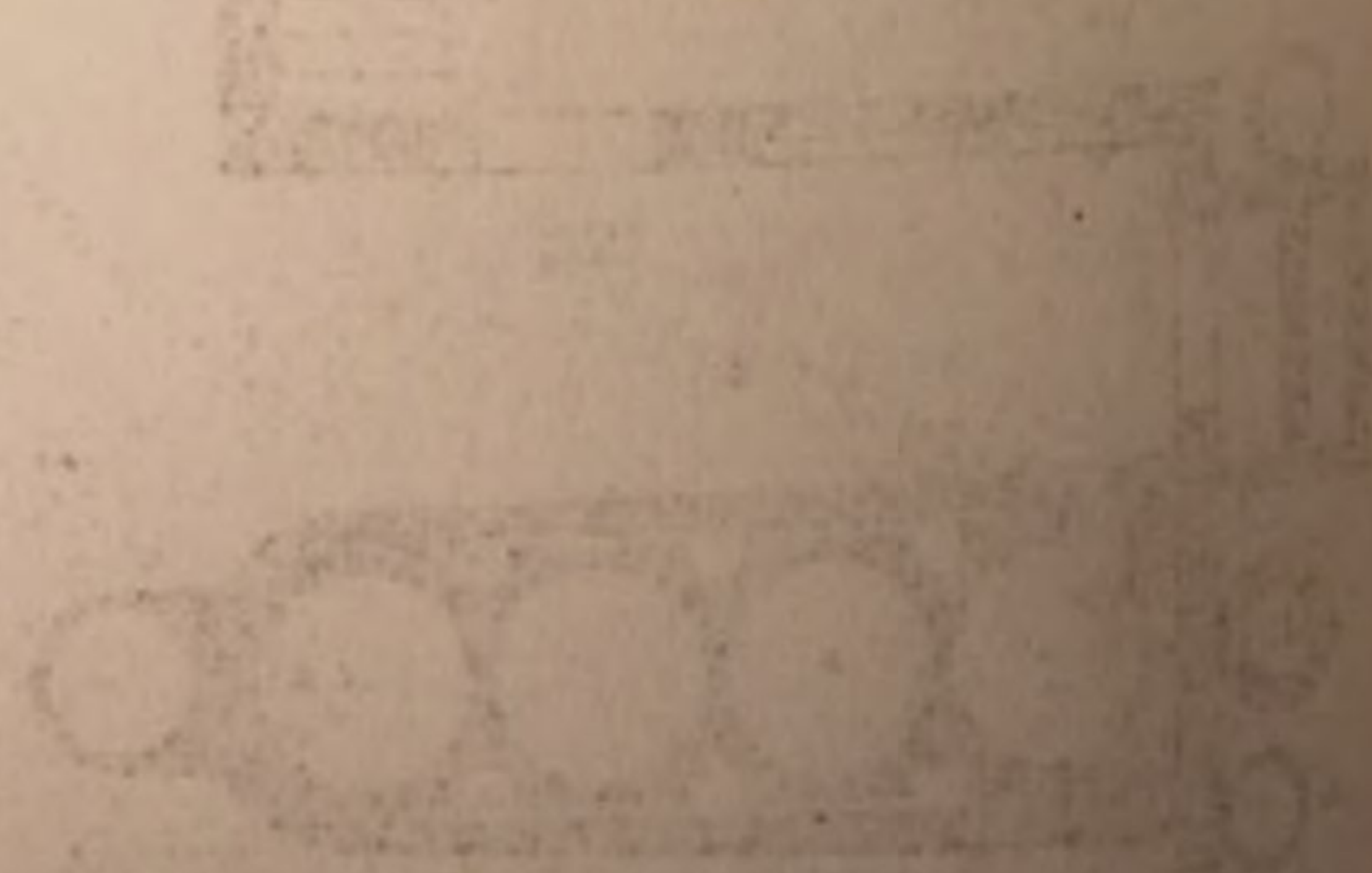
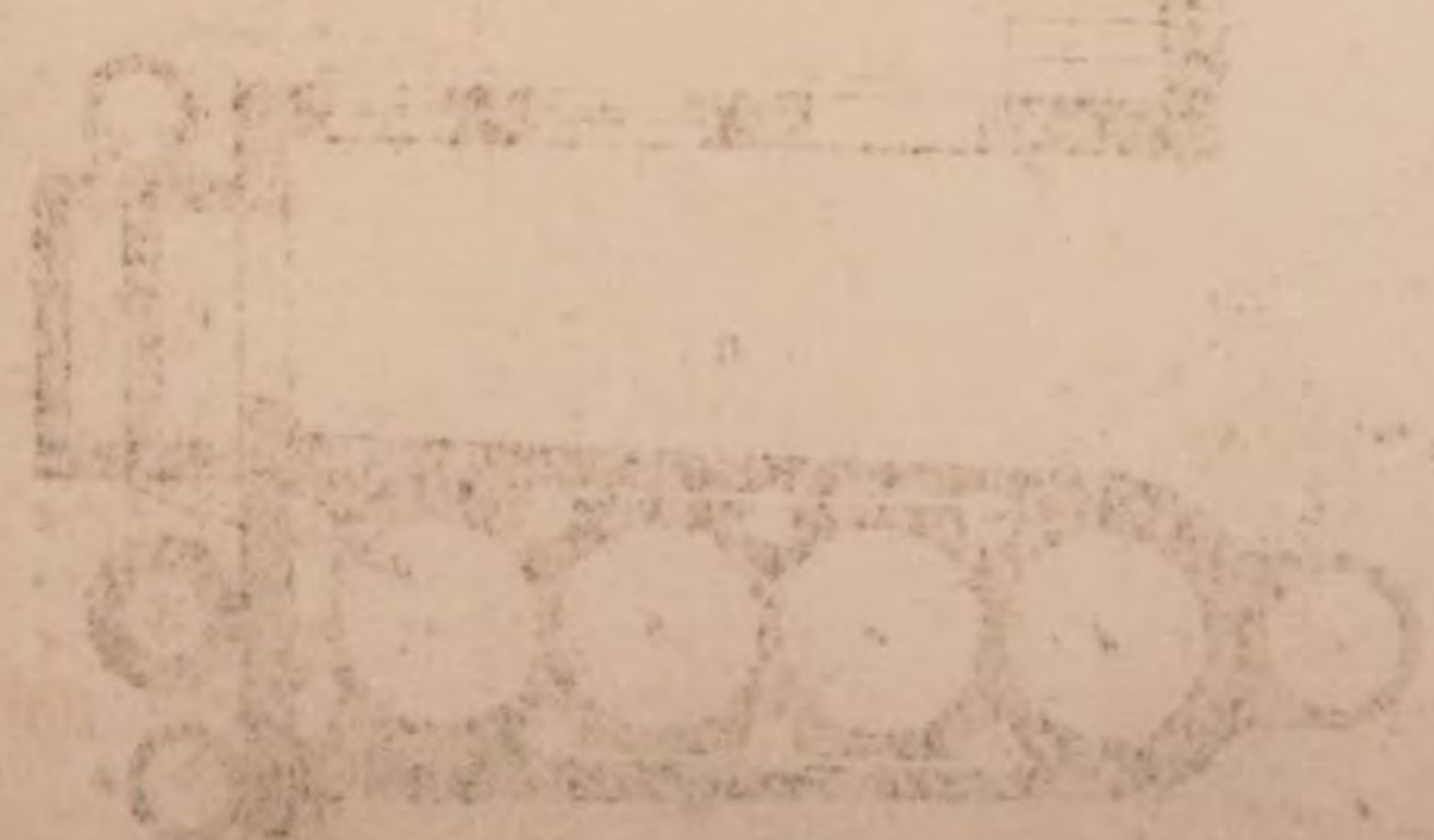
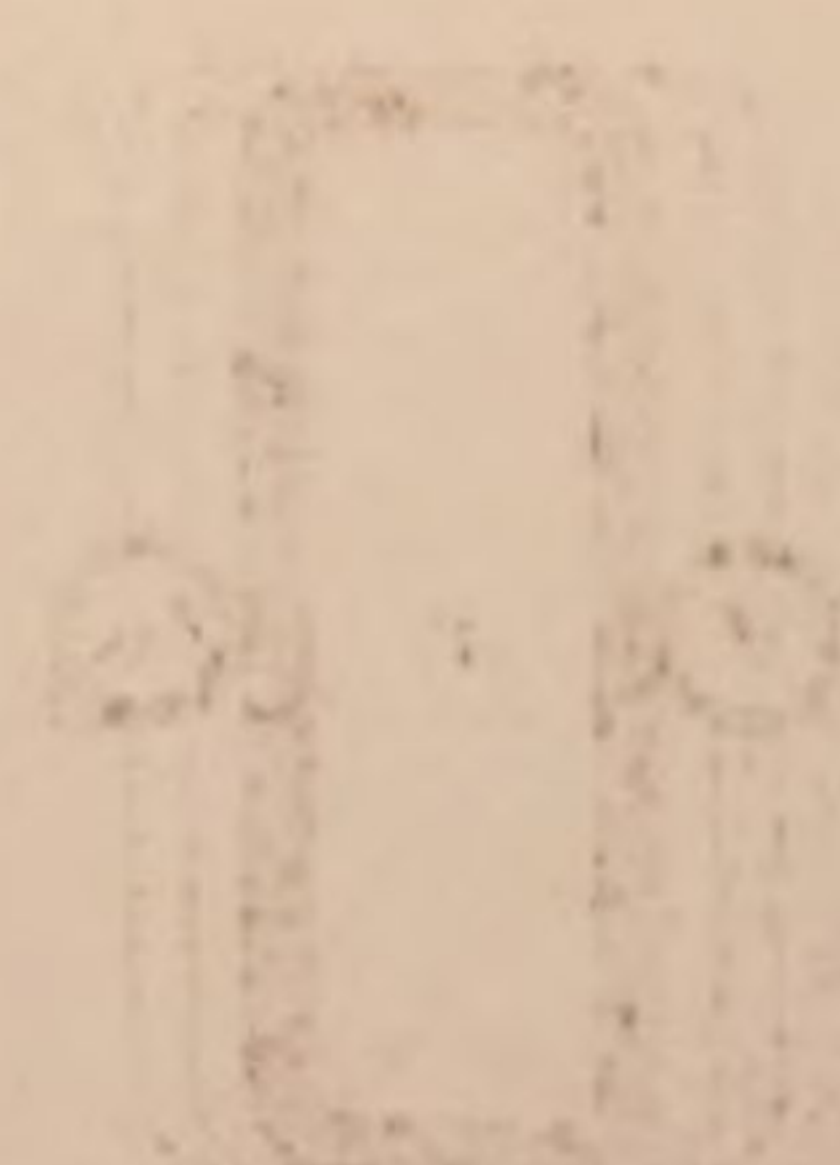
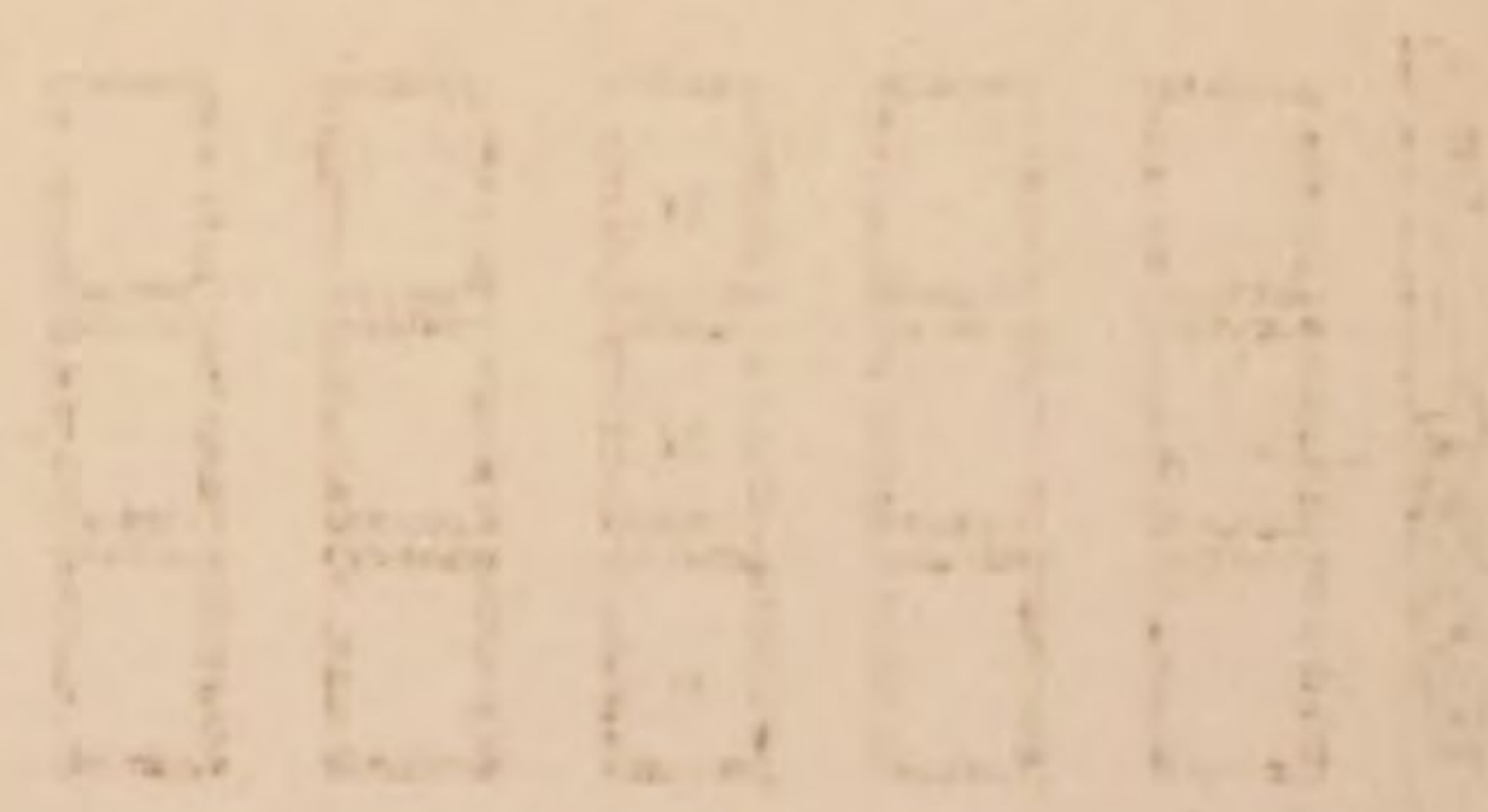
EXHIBIT 100

OFFICE OF THE ATTORNEY GENERAL

STATE OF NEW YORK

IN SENATE

1901



THE OFFICE OF THE ATTORNEY GENERAL, STATE OF NEW YORK, HAS THE HONOR TO ACKNOWLEDGE THE RECEIPT OF THE ABOVE DRAWING FOR THE PURPOSE OF THE EXHIBIT.

MANUFACTURES.

MISCELLANEOUS WORKS.

PLATE LI.

Sugar Cane Mill.

Fig. 1.

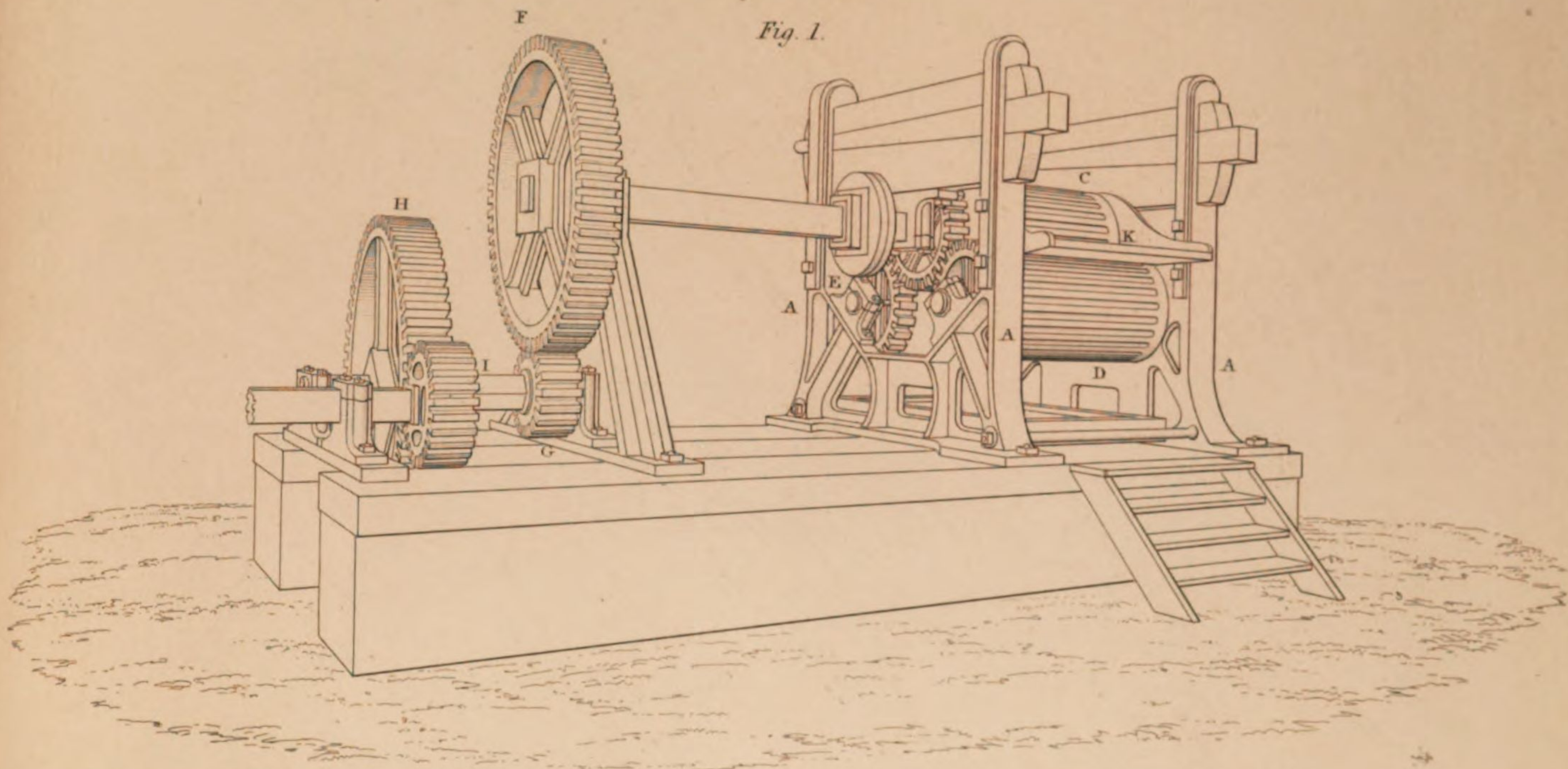
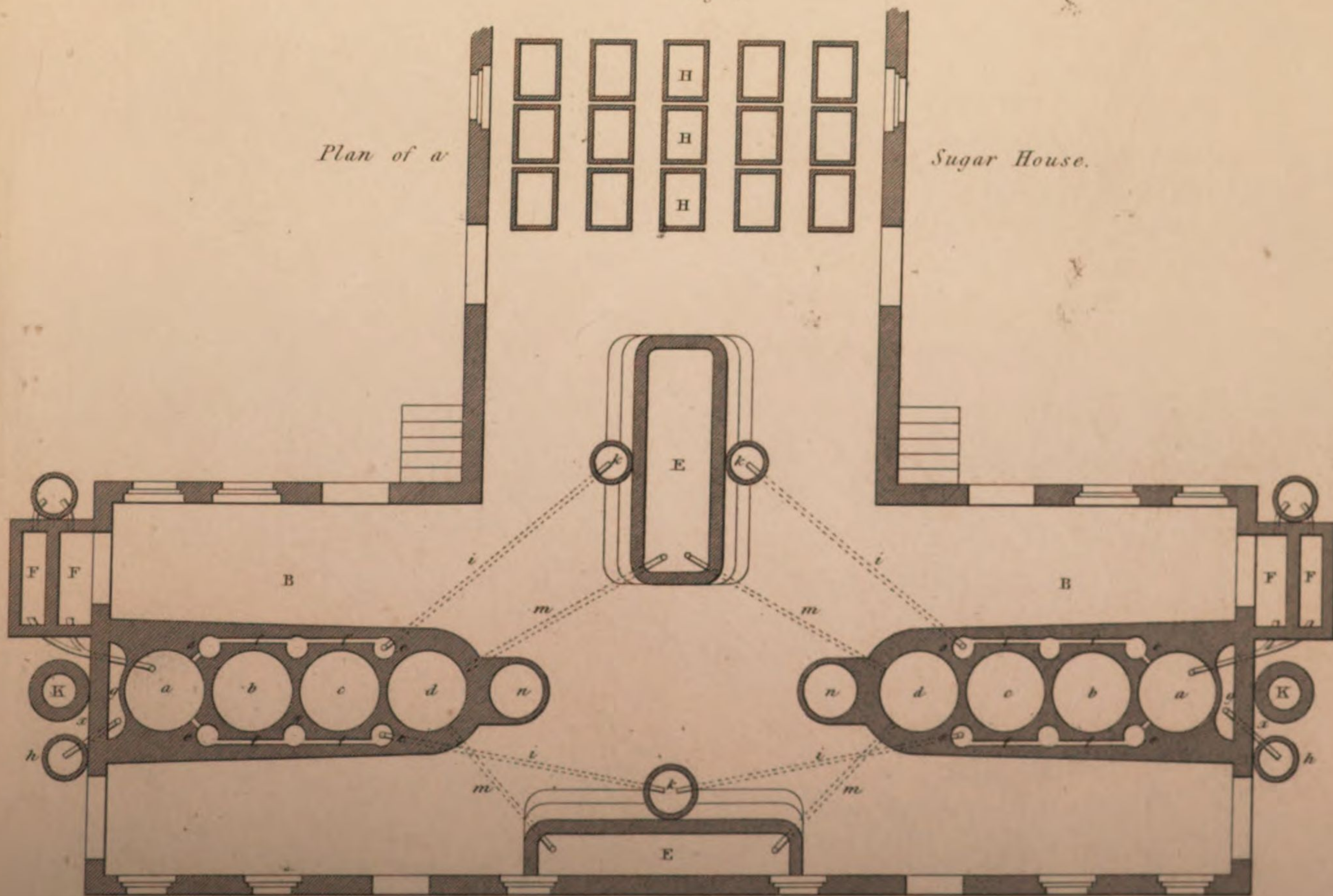


Fig. 2.

Plan of a

Sugar House.



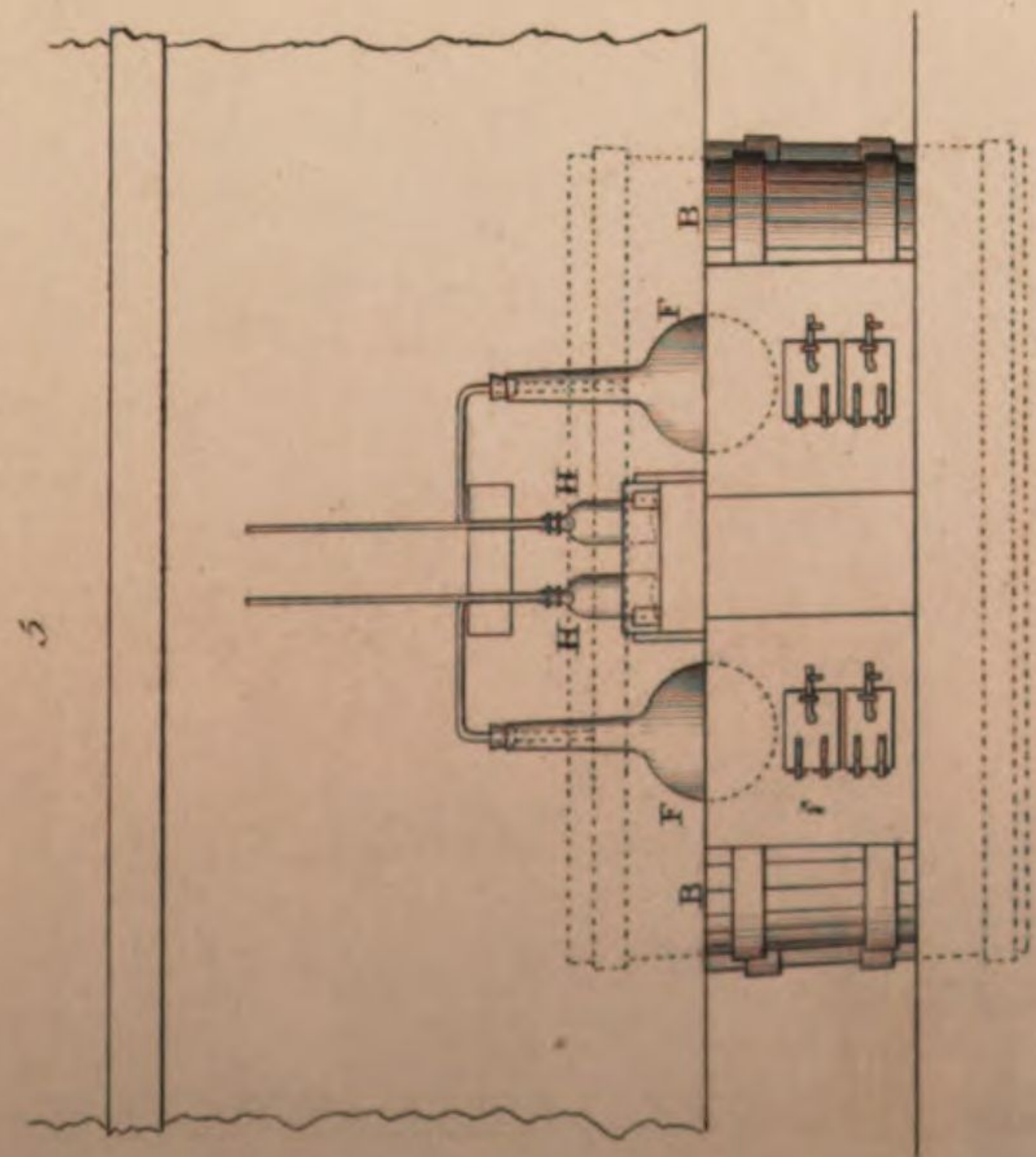
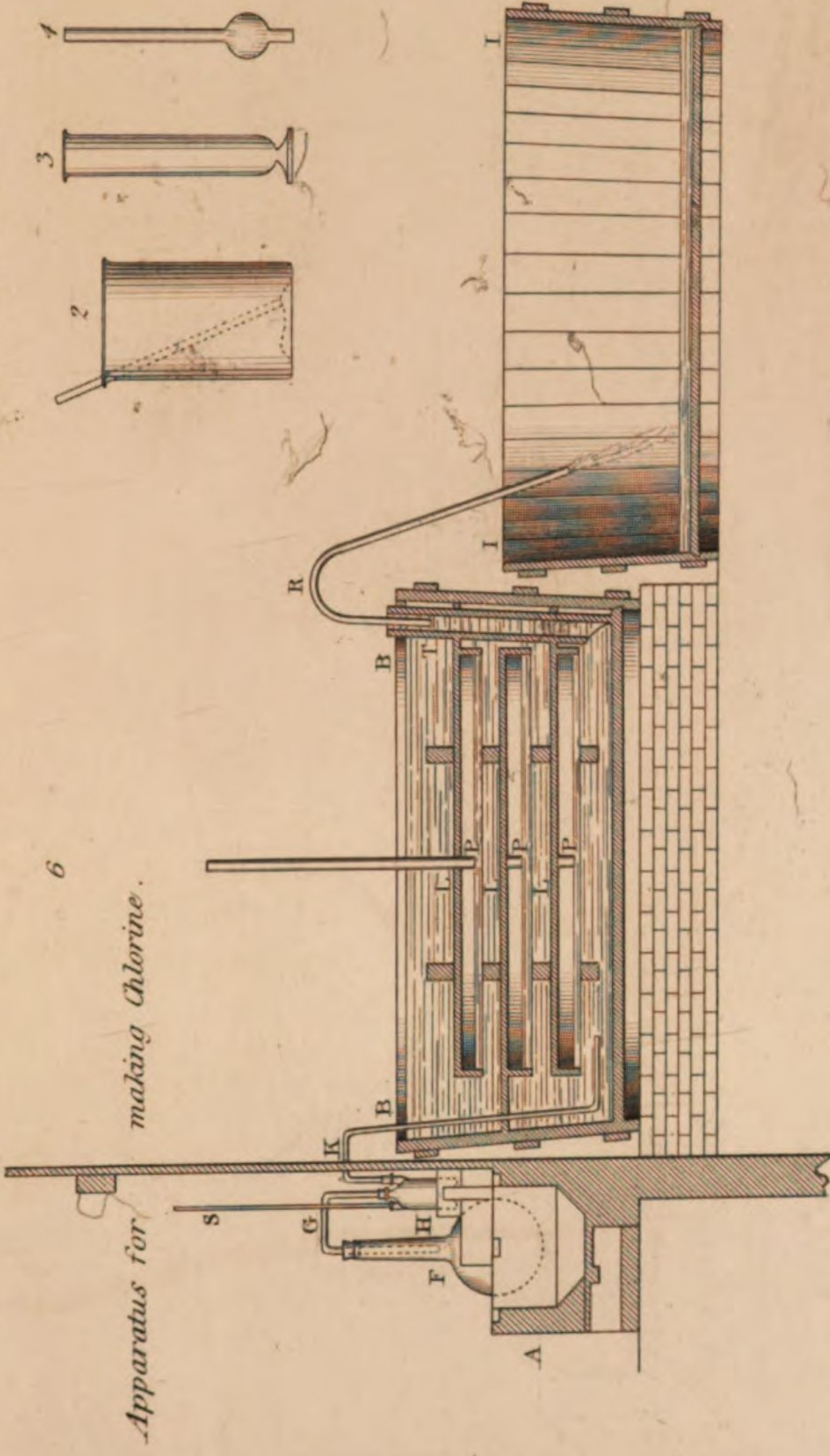
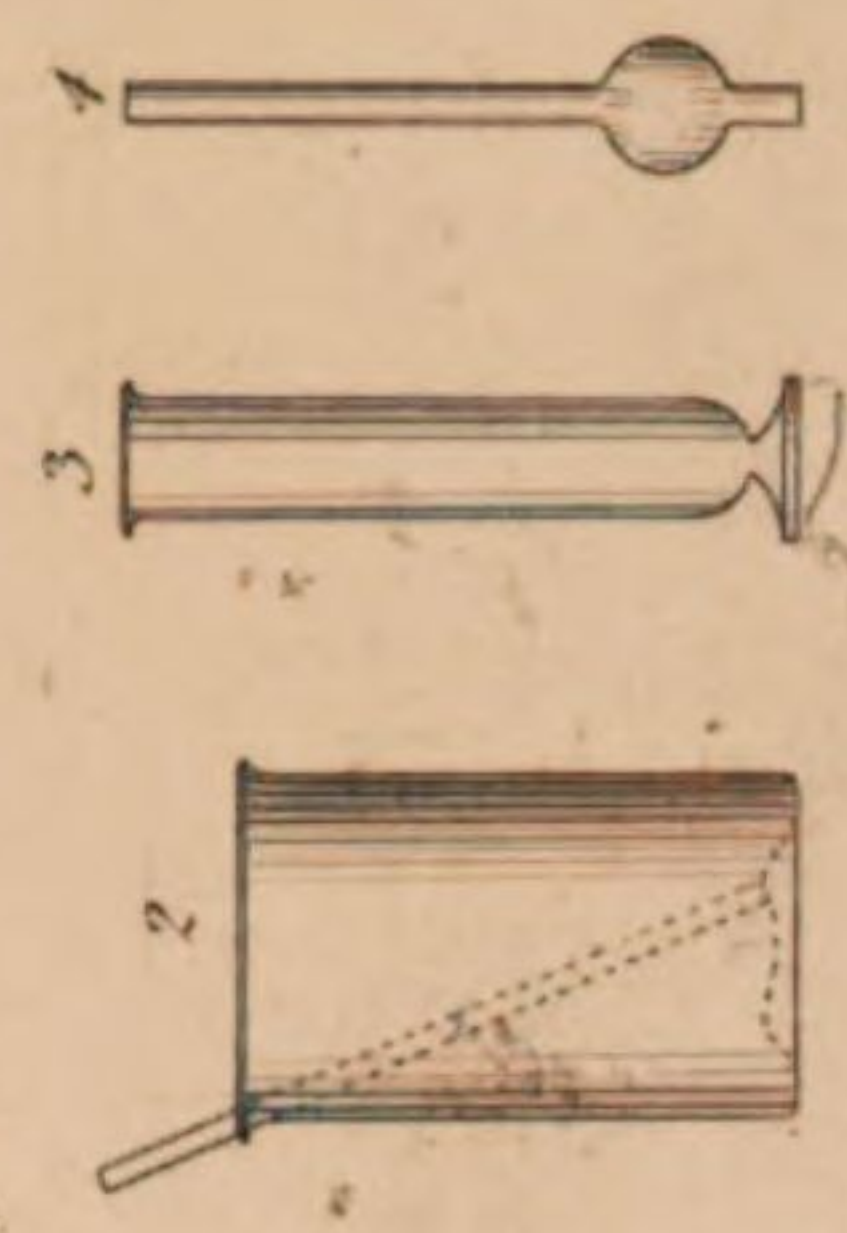


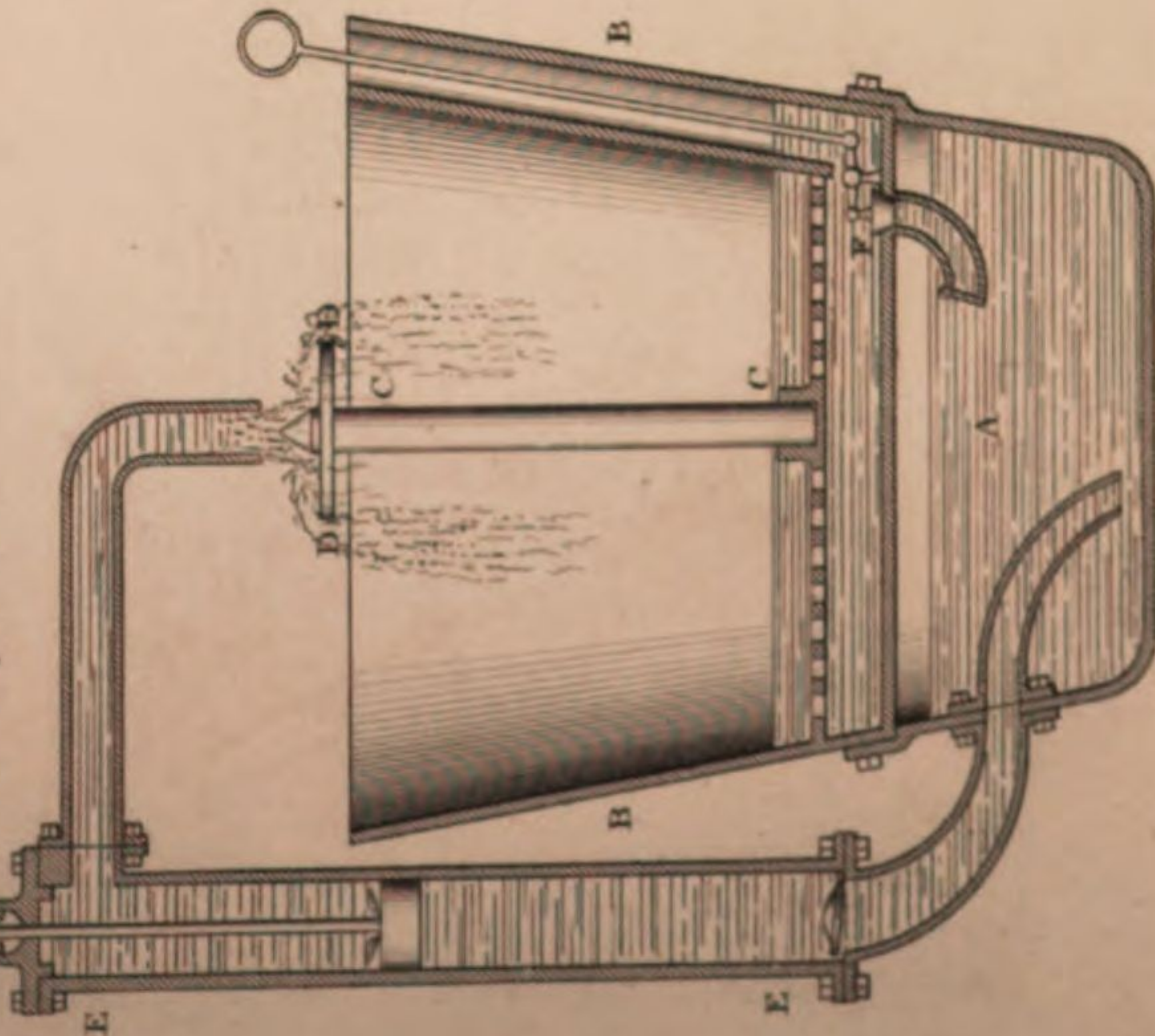
Fig. 1.
Bucking Boiler.



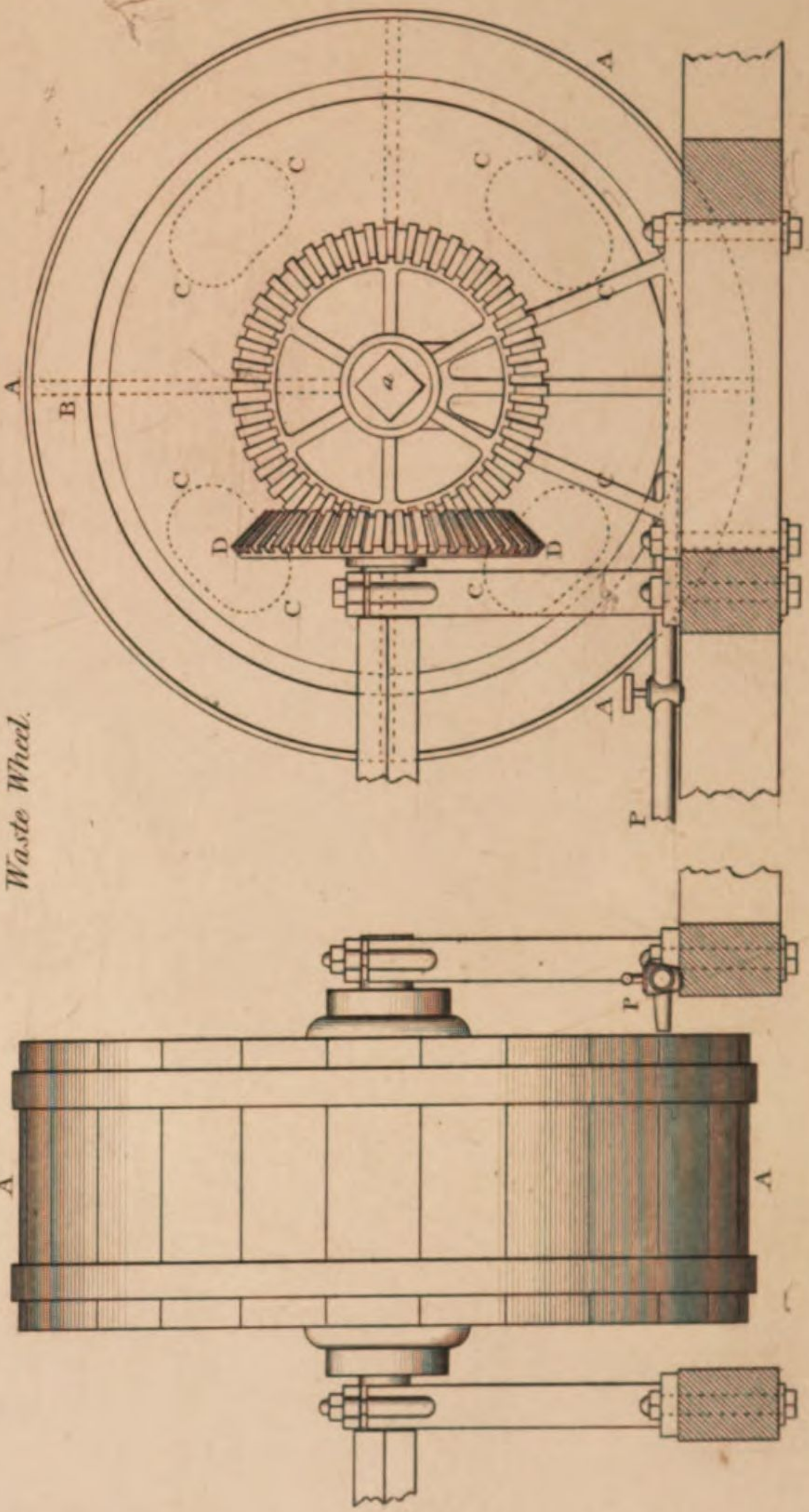
Apparatus for
making Chlorine.



Apparatus for testing Potash.



Waste Wheel.



MANUFACTURES.

WORKS.

Gas Works.

PLATE LIII.

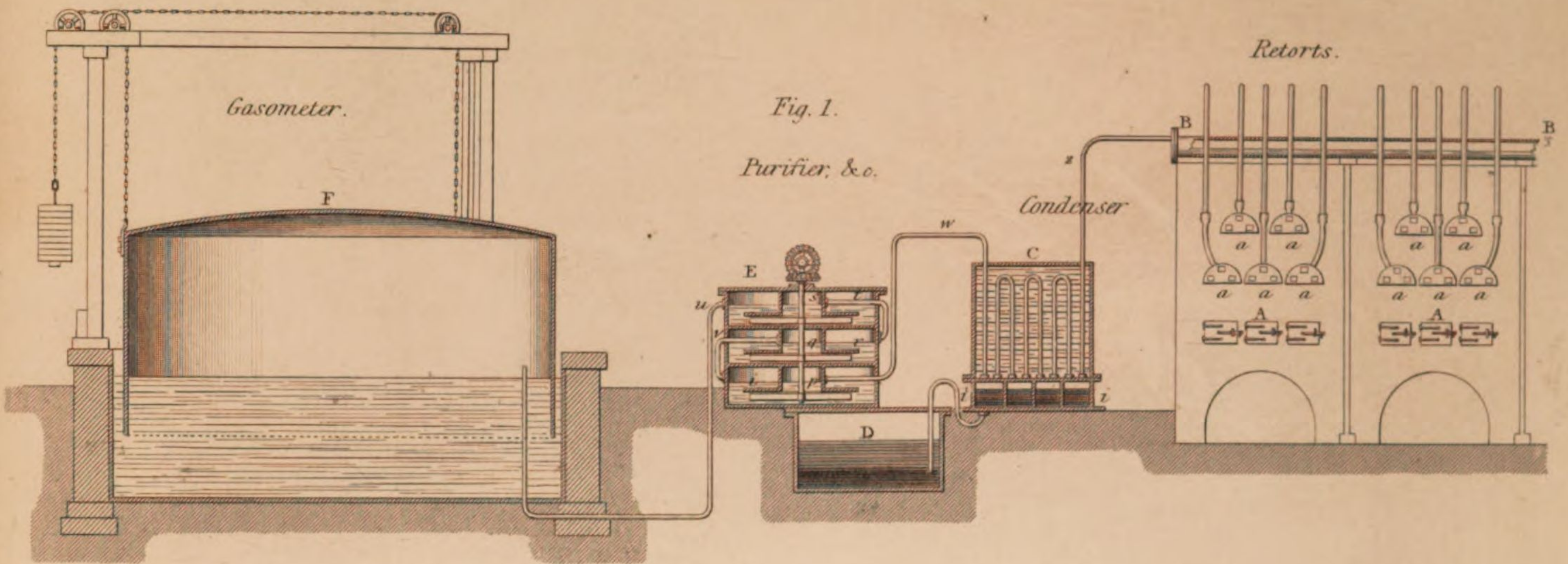


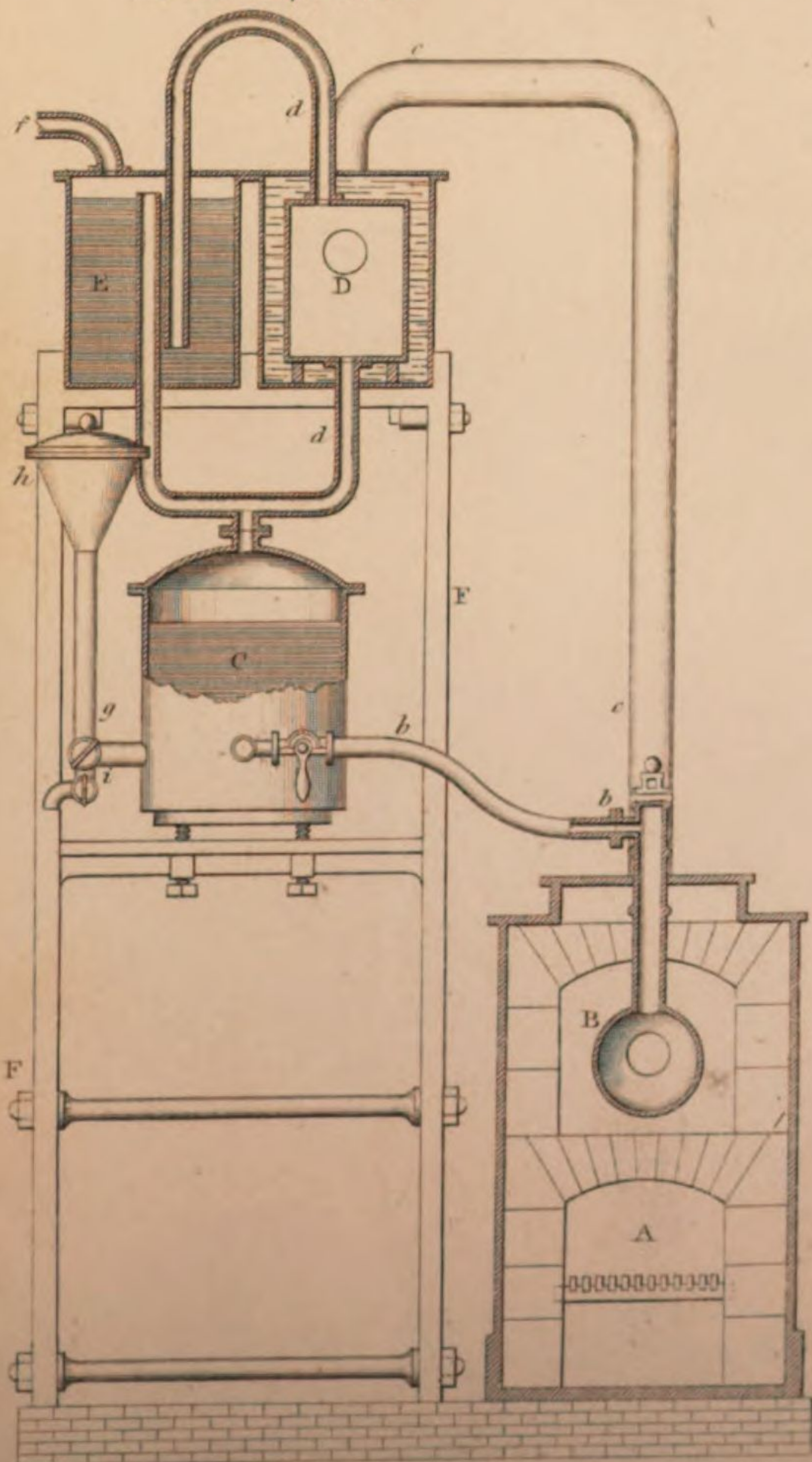
Fig. 1.

Purifier, &c.

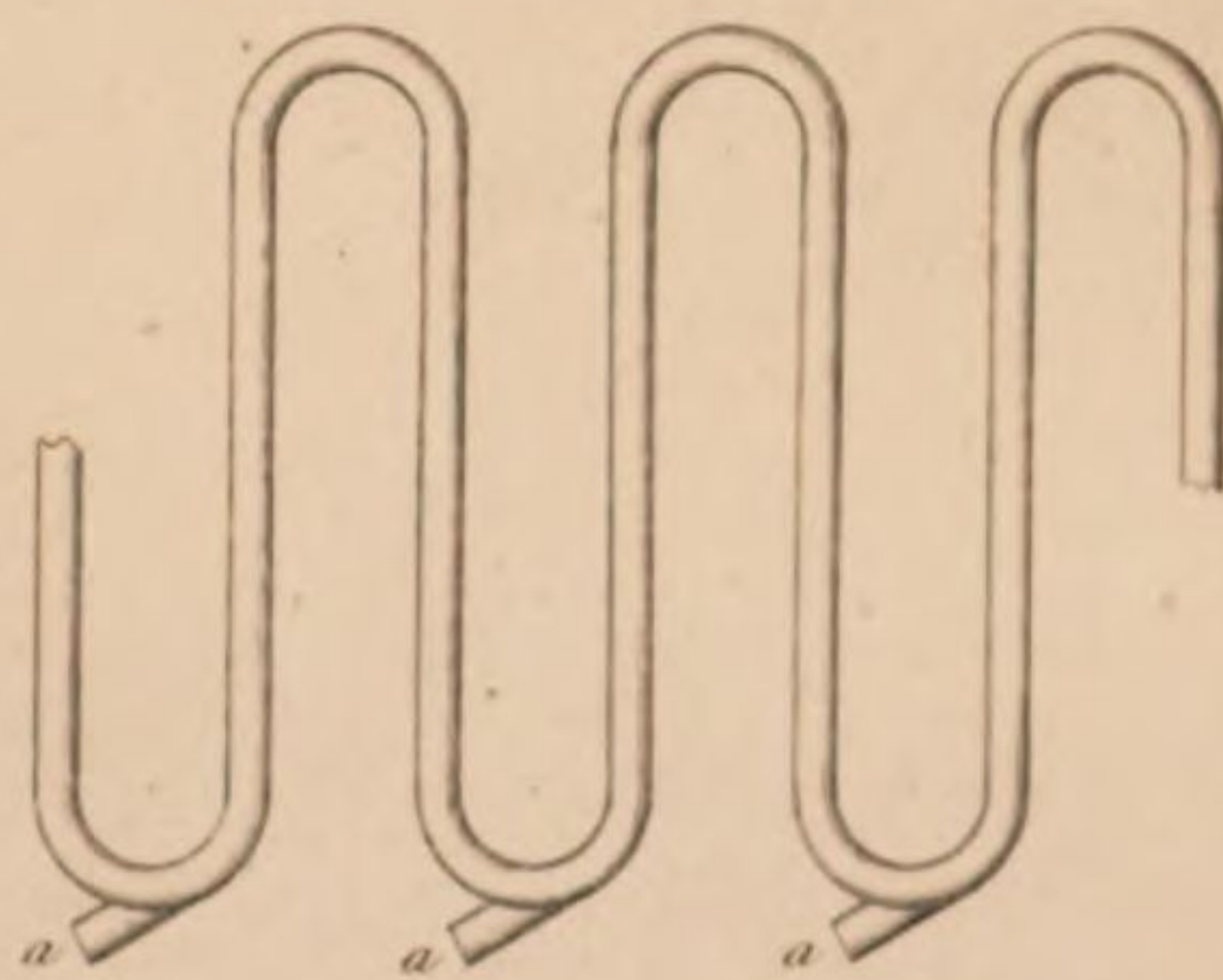
Condenser

Retorts.

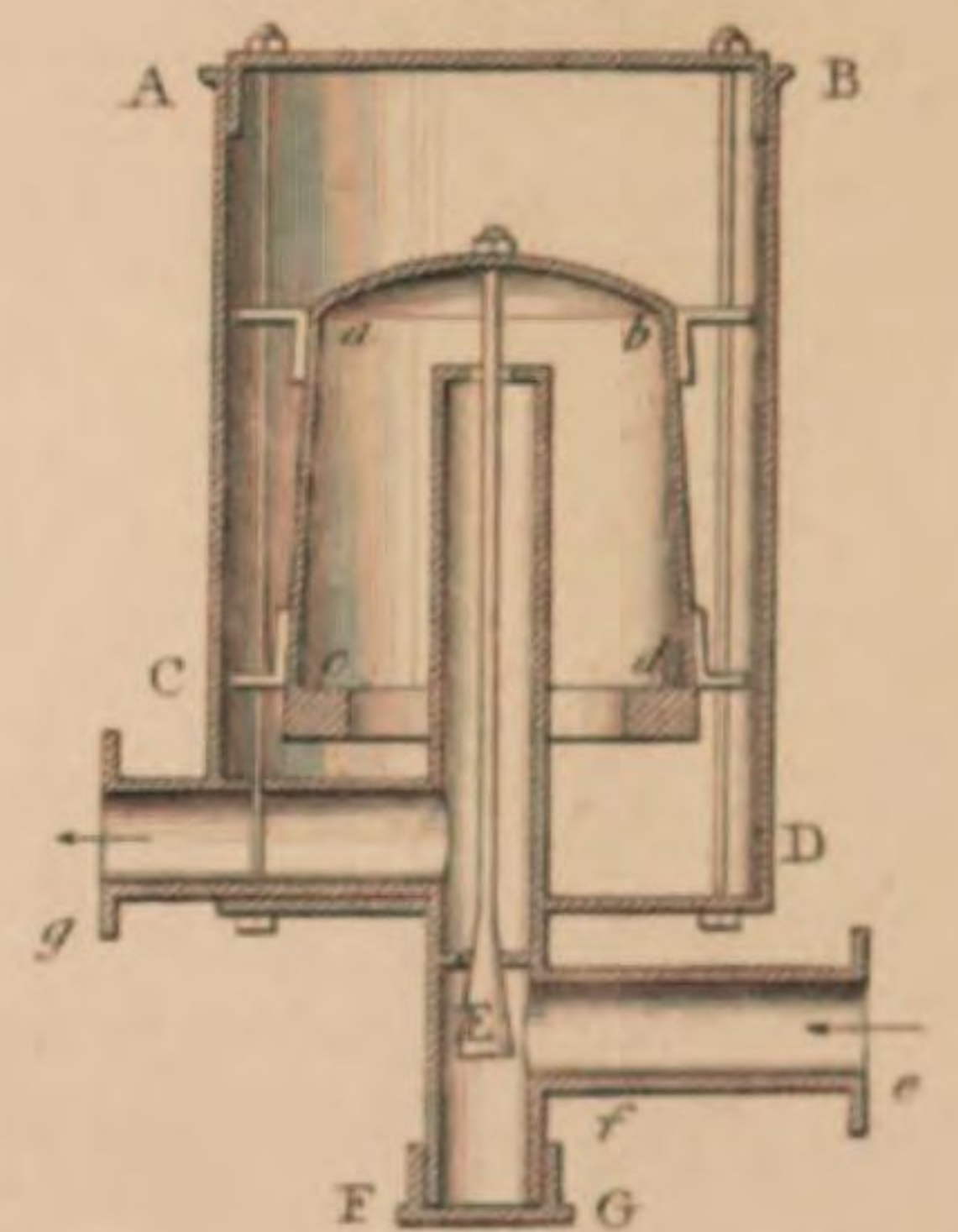
6.
Oil Gas Aparatus.



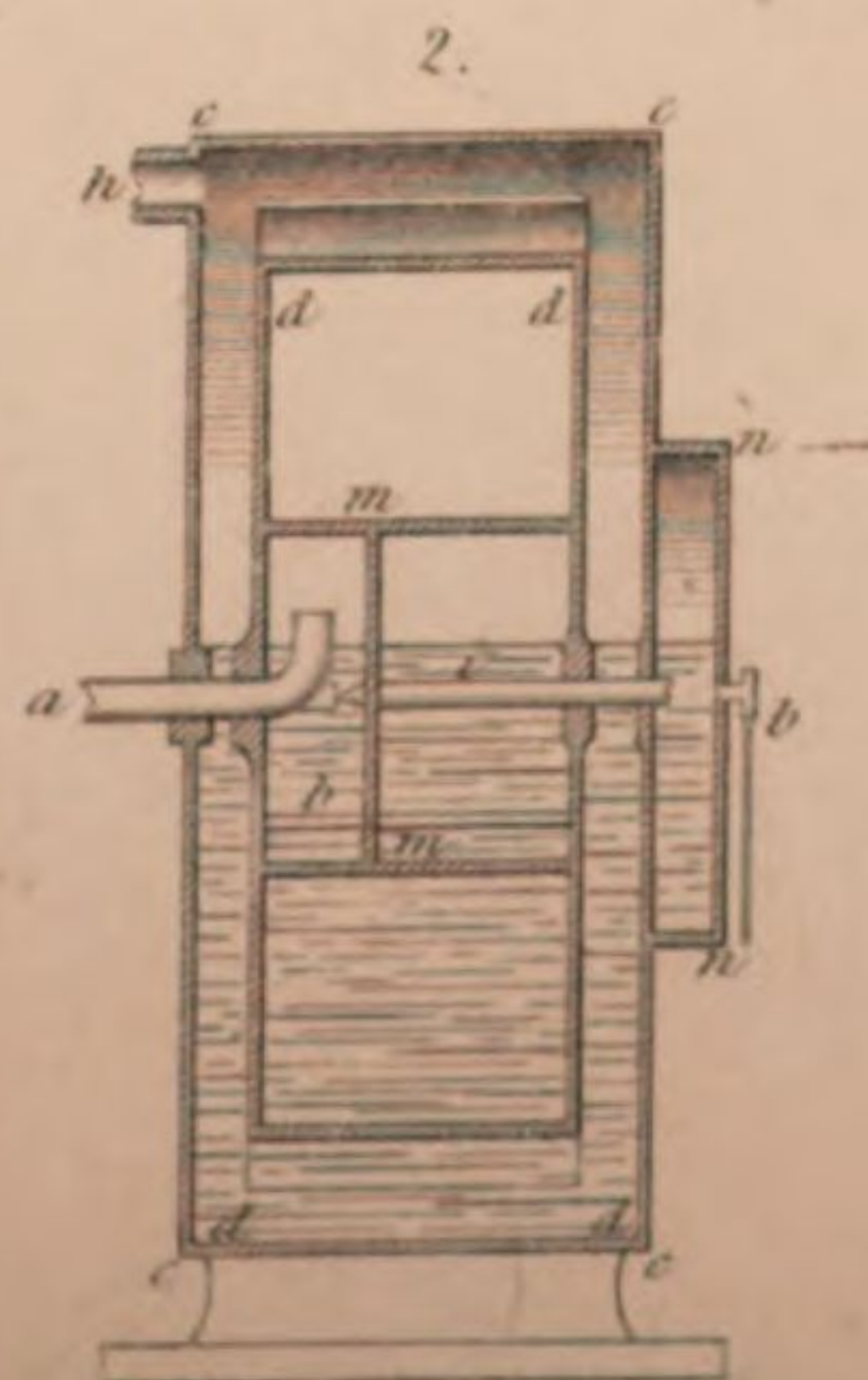
4.
Lowe's Condenser.



5.
Gas Governor.



Gas Meter.



1. The first part of the document is a list of the names of the persons who were present at the meeting.

2. The second part of the document is a list of the names of the persons who were present at the meeting.

3. The third part of the document is a list of the names of the persons who were present at the meeting.

4. The fourth part of the document is a list of the names of the persons who were present at the meeting.

5. The fifth part of the document is a list of the names of the persons who were present at the meeting.

6. The sixth part of the document is a list of the names of the persons who were present at the meeting.

7. The seventh part of the document is a list of the names of the persons who were present at the meeting.

8. The eighth part of the document is a list of the names of the persons who were present at the meeting.

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10. The tenth part of the document is a list of the names of the persons who were present at the meeting.

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12. The twelfth part of the document is a list of the names of the persons who were present at the meeting.

13. The thirteenth part of the document is a list of the names of the persons who were present at the meeting.

14. The fourteenth part of the document is a list of the names of the persons who were present at the meeting.

15. The fifteenth part of the document is a list of the names of the persons who were present at the meeting.

16. The sixteenth part of the document is a list of the names of the persons who were present at the meeting.

17. The seventeenth part of the document is a list of the names of the persons who were present at the meeting.

18. The eighteenth part of the document is a list of the names of the persons who were present at the meeting.

19. The nineteenth part of the document is a list of the names of the persons who were present at the meeting.

20. The twentieth part of the document is a list of the names of the persons who were present at the meeting.

21. The twenty-first part of the document is a list of the names of the persons who were present at the meeting.

22. The twenty-second part of the document is a list of the names of the persons who were present at the meeting.

23. The twenty-third part of the document is a list of the names of the persons who were present at the meeting.

24. The twenty-fourth part of the document is a list of the names of the persons who were present at the meeting.

MANUFACTURES.

WORKS

PLATE LIV.

Warming and Ventilating Manufactories

Fig. 1

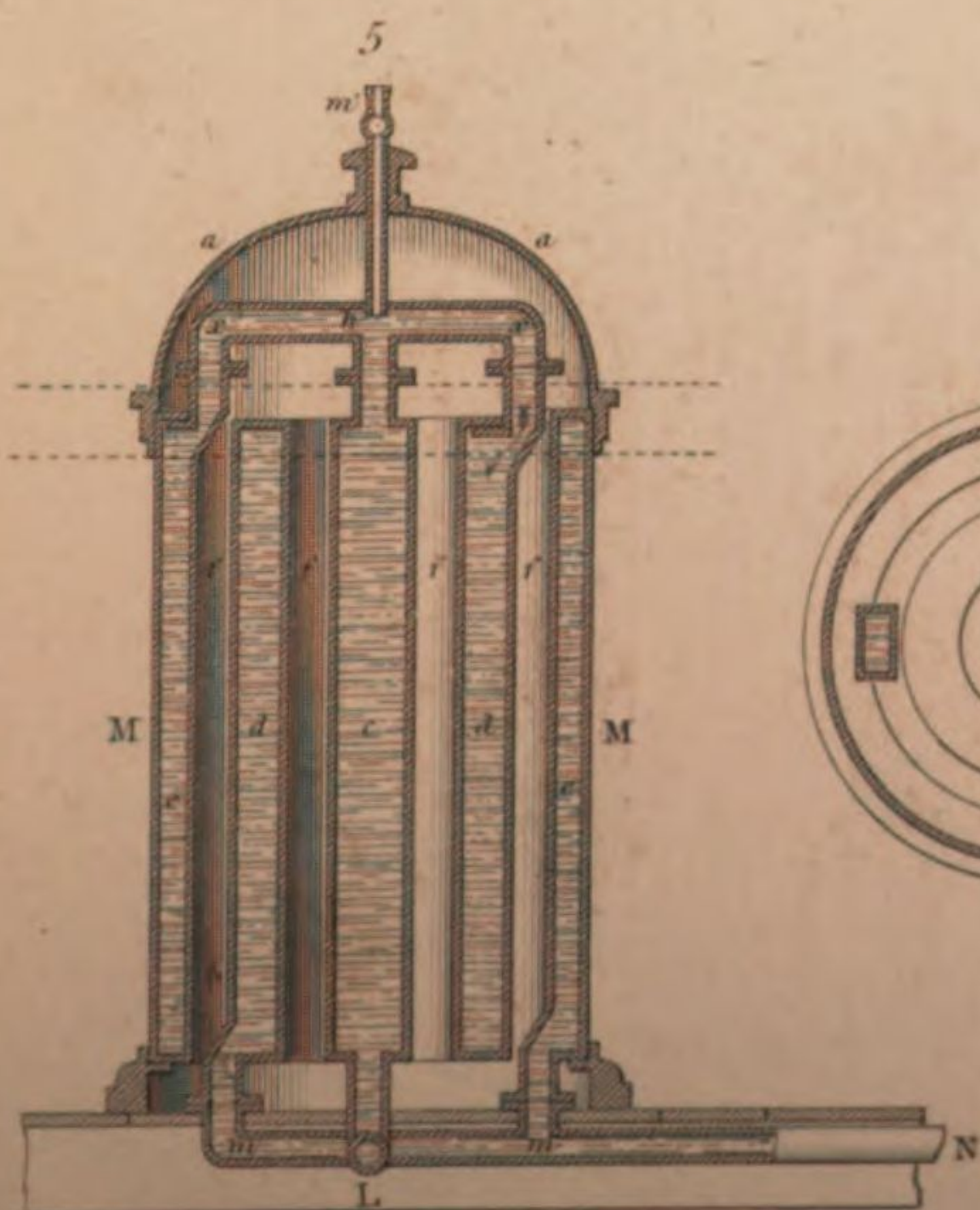
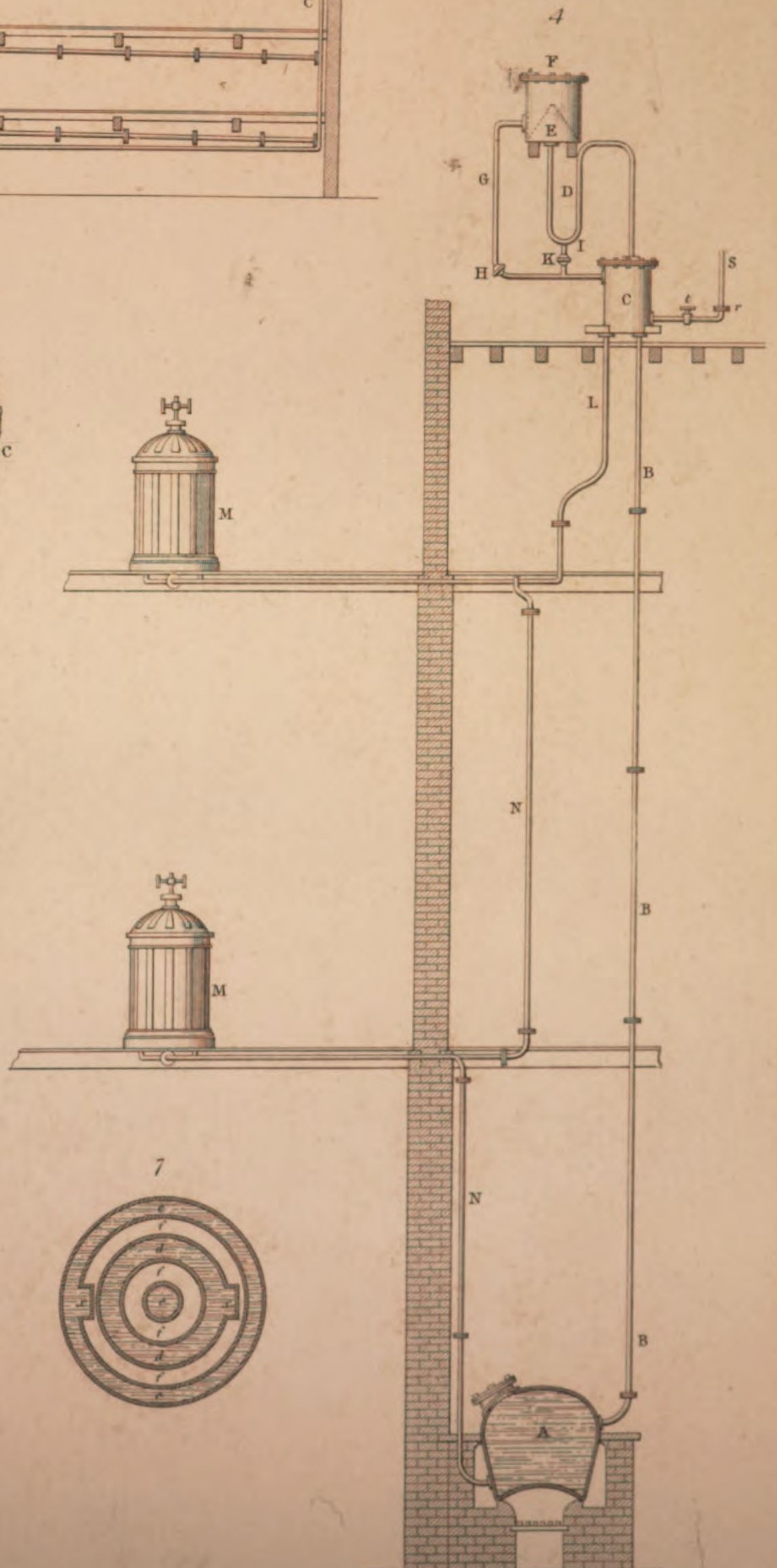
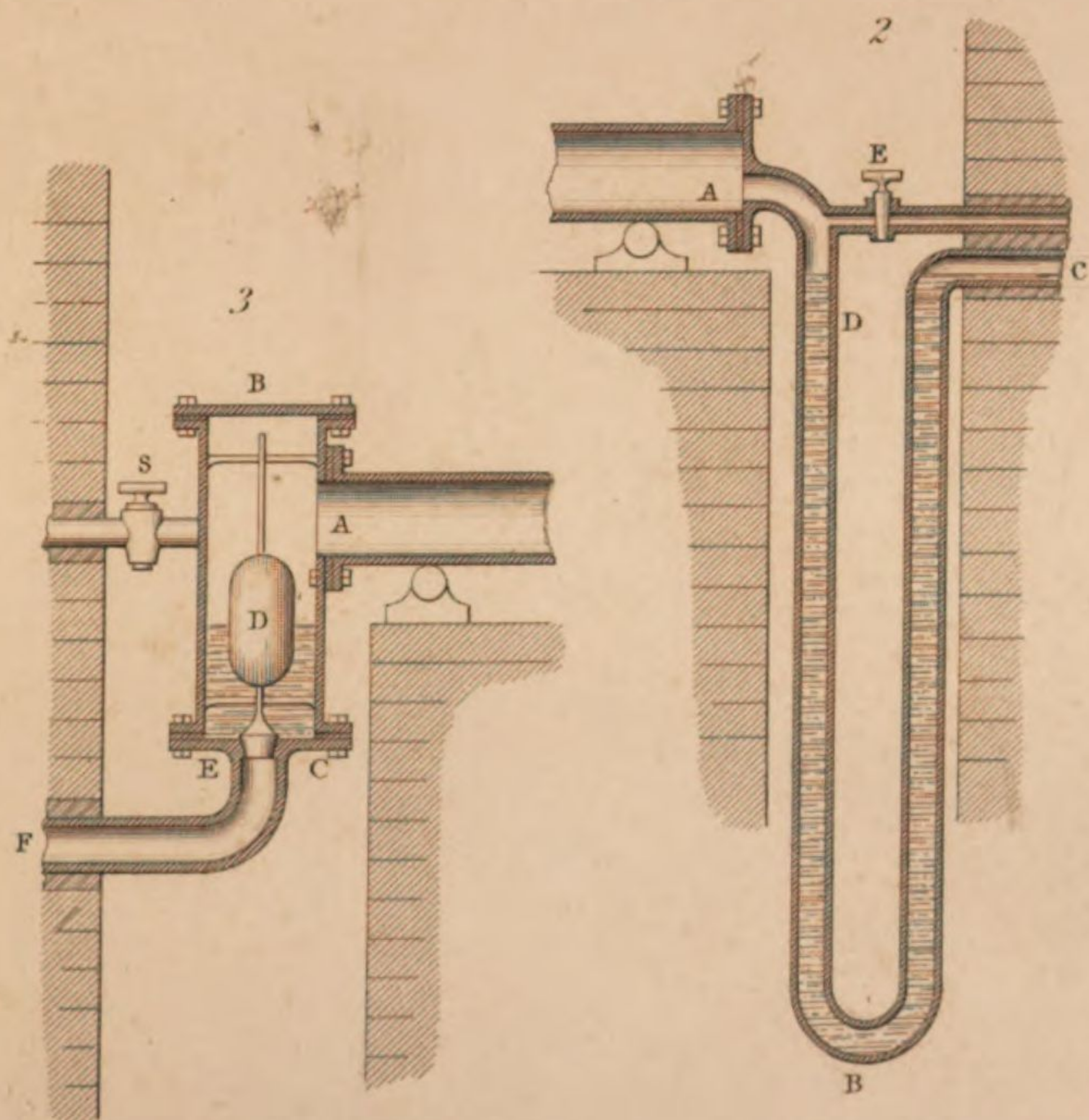
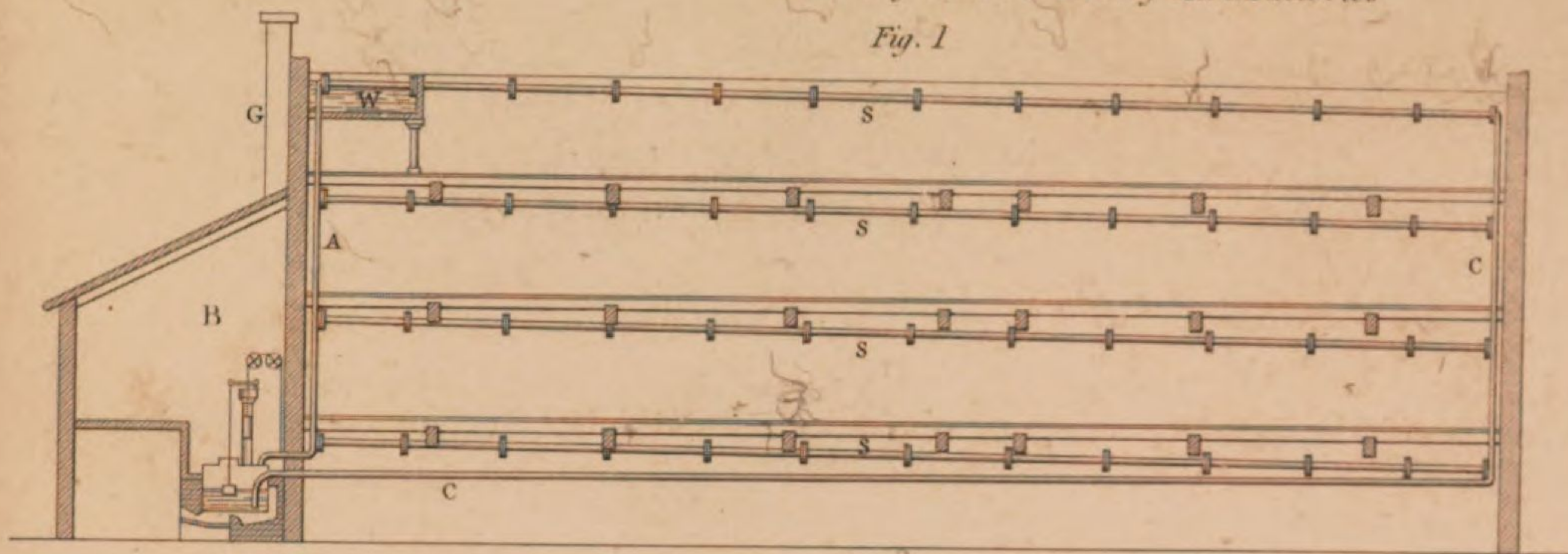
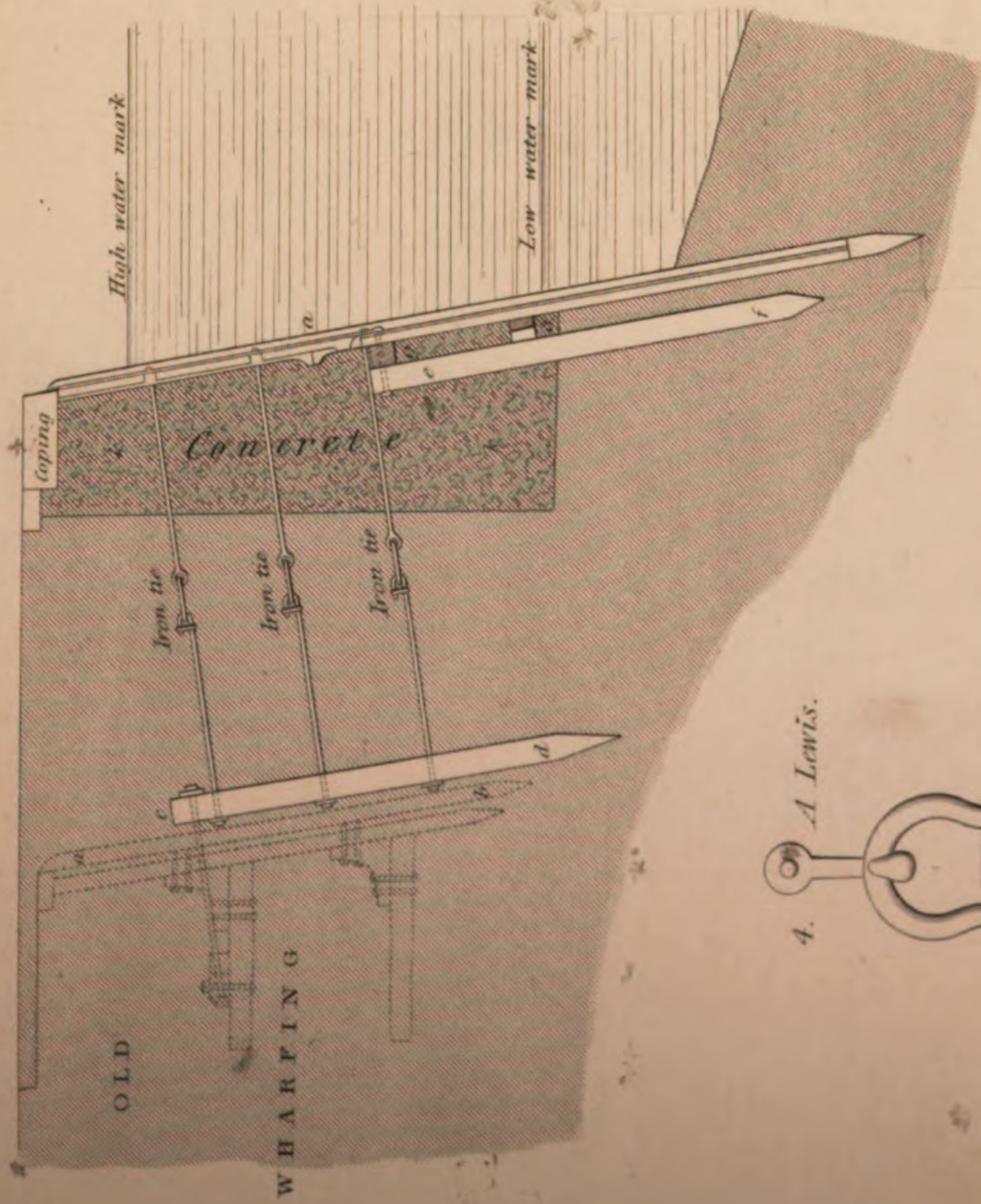
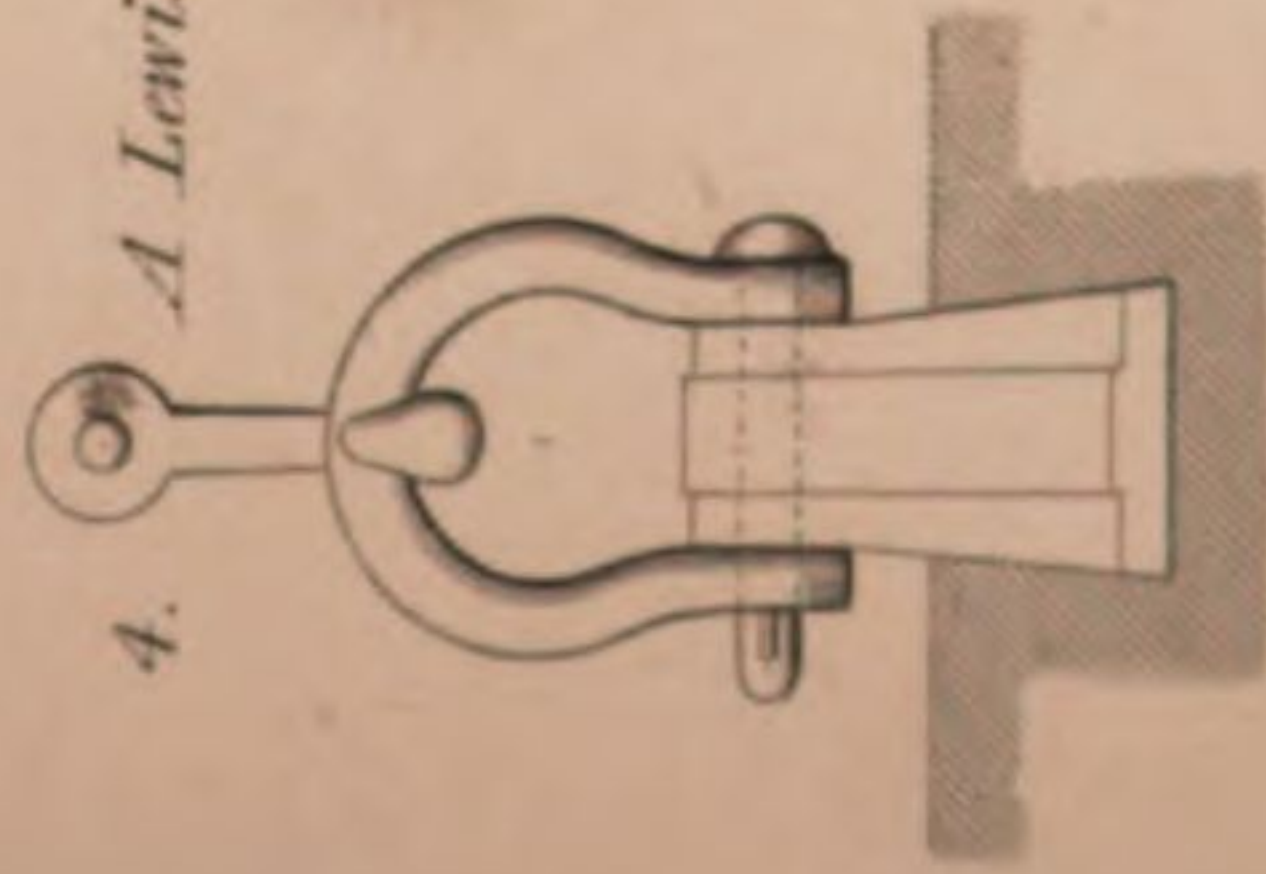


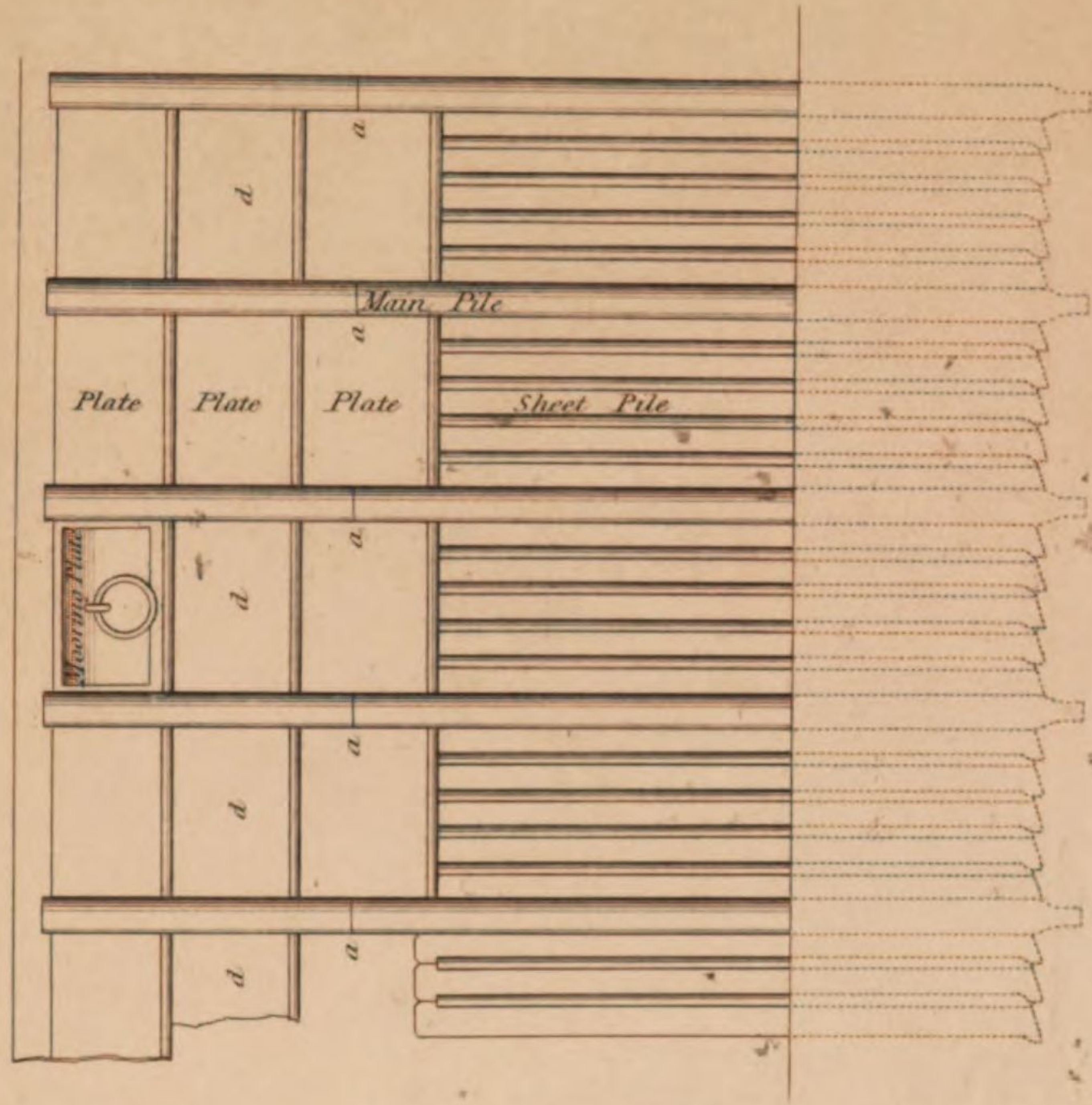
Fig 1. Section



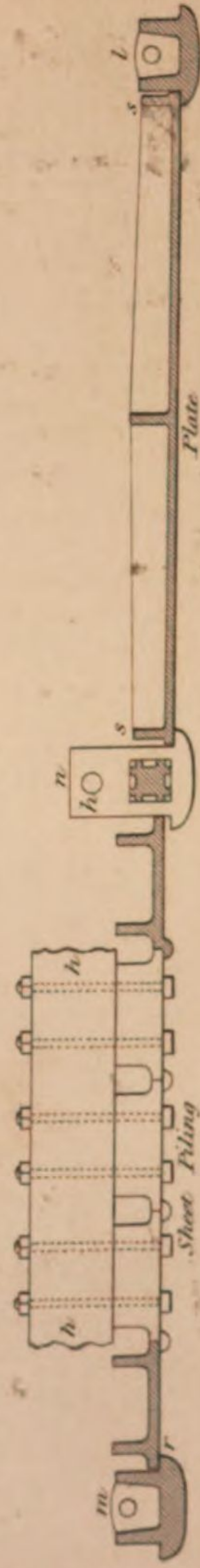
4. A Lewis.



2. Elevation

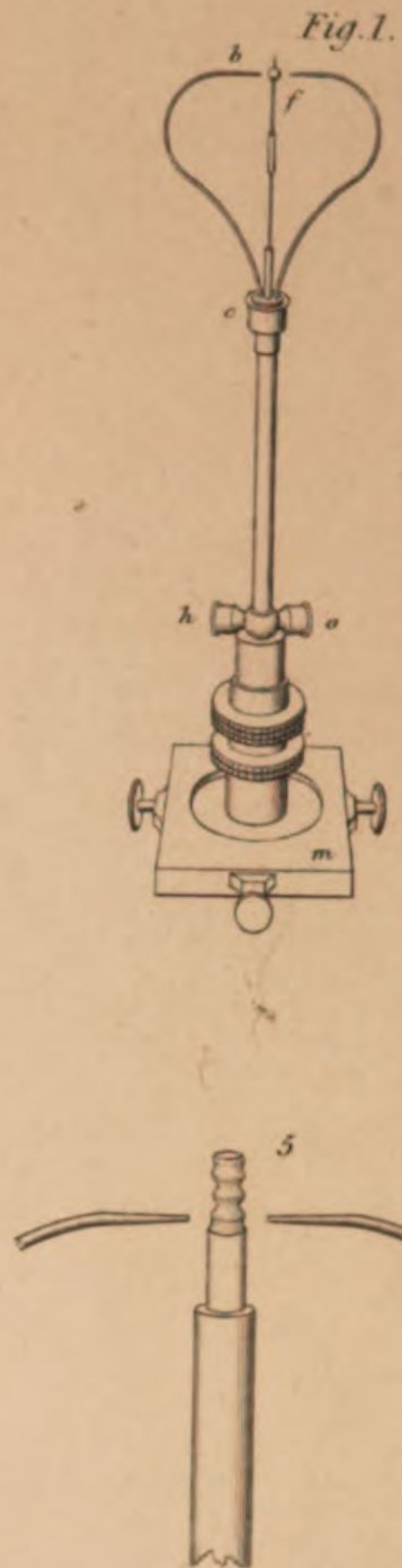
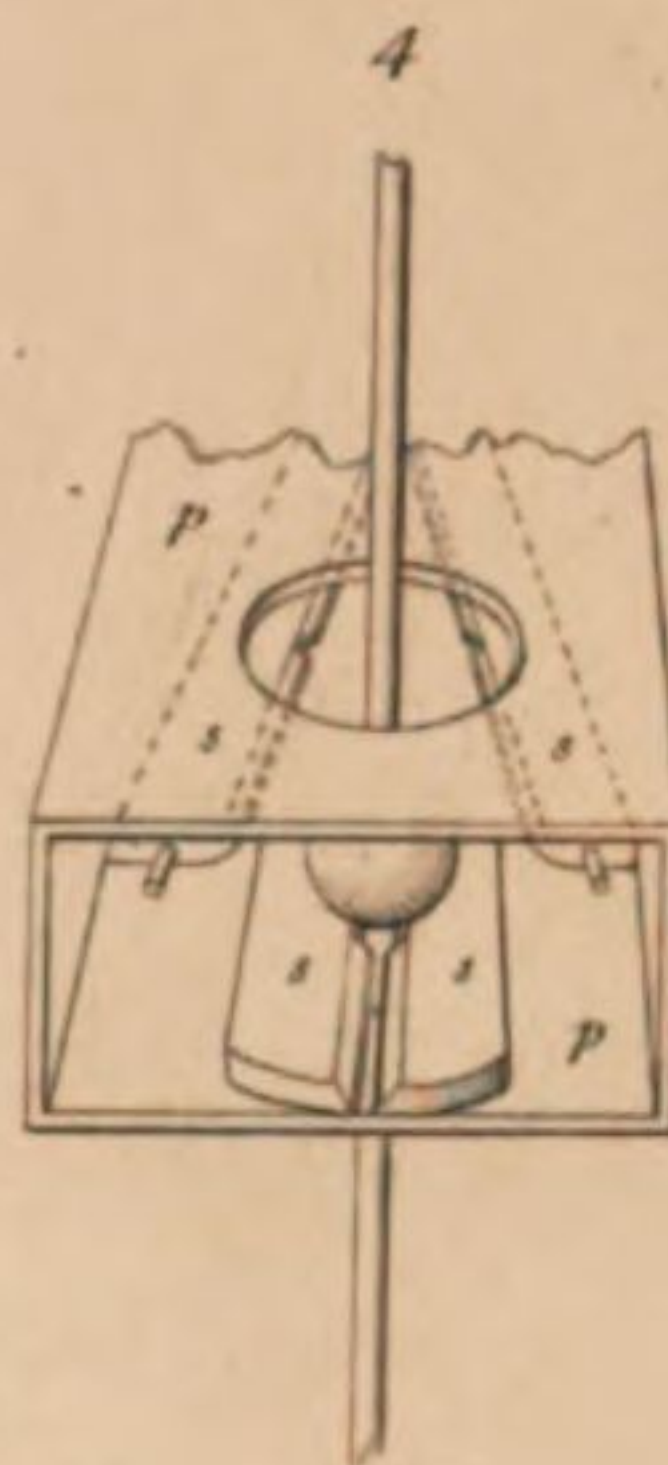
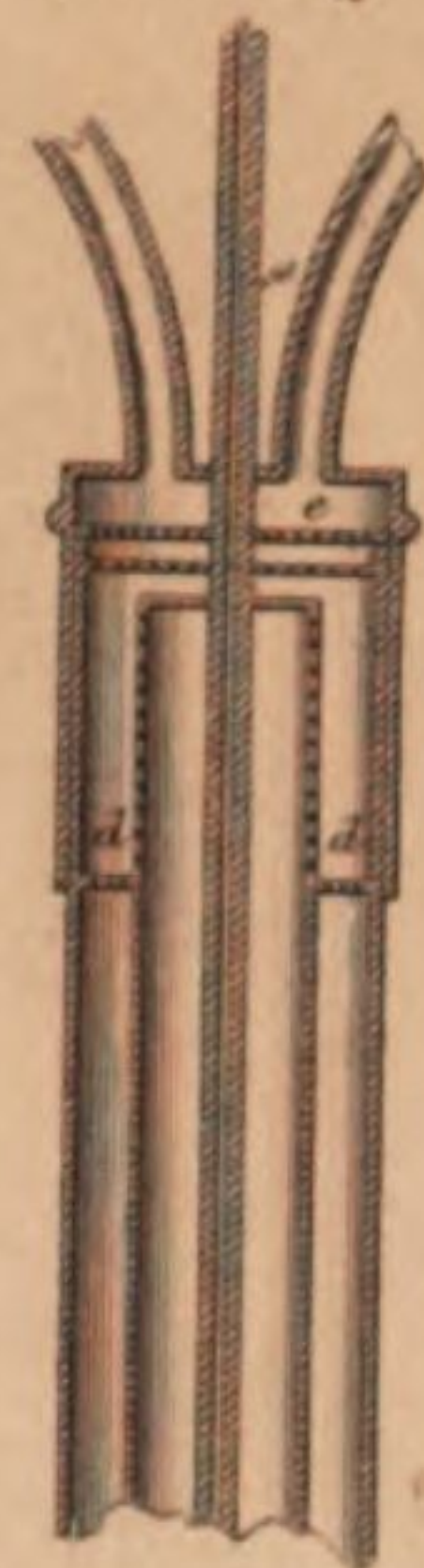
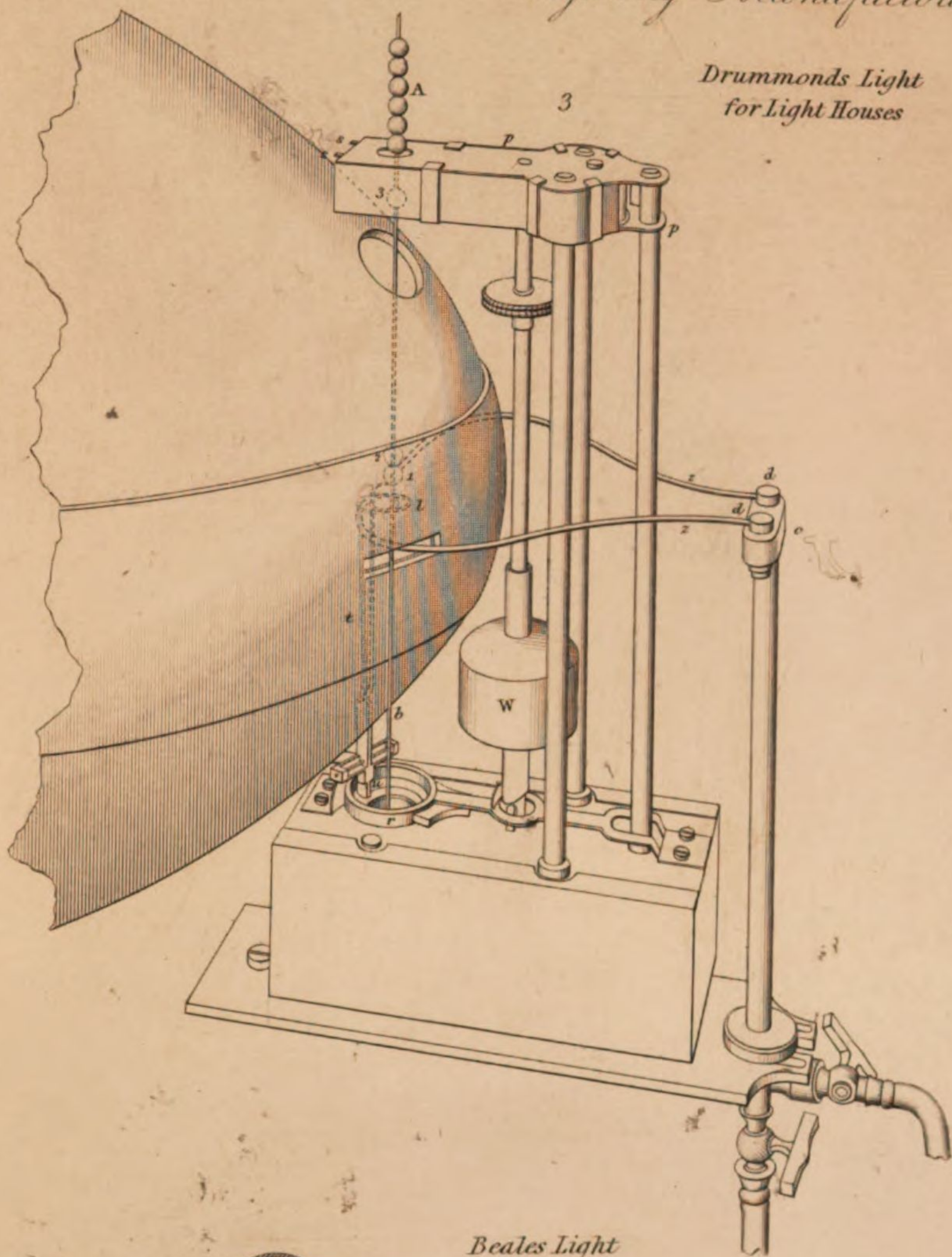


3. Plan

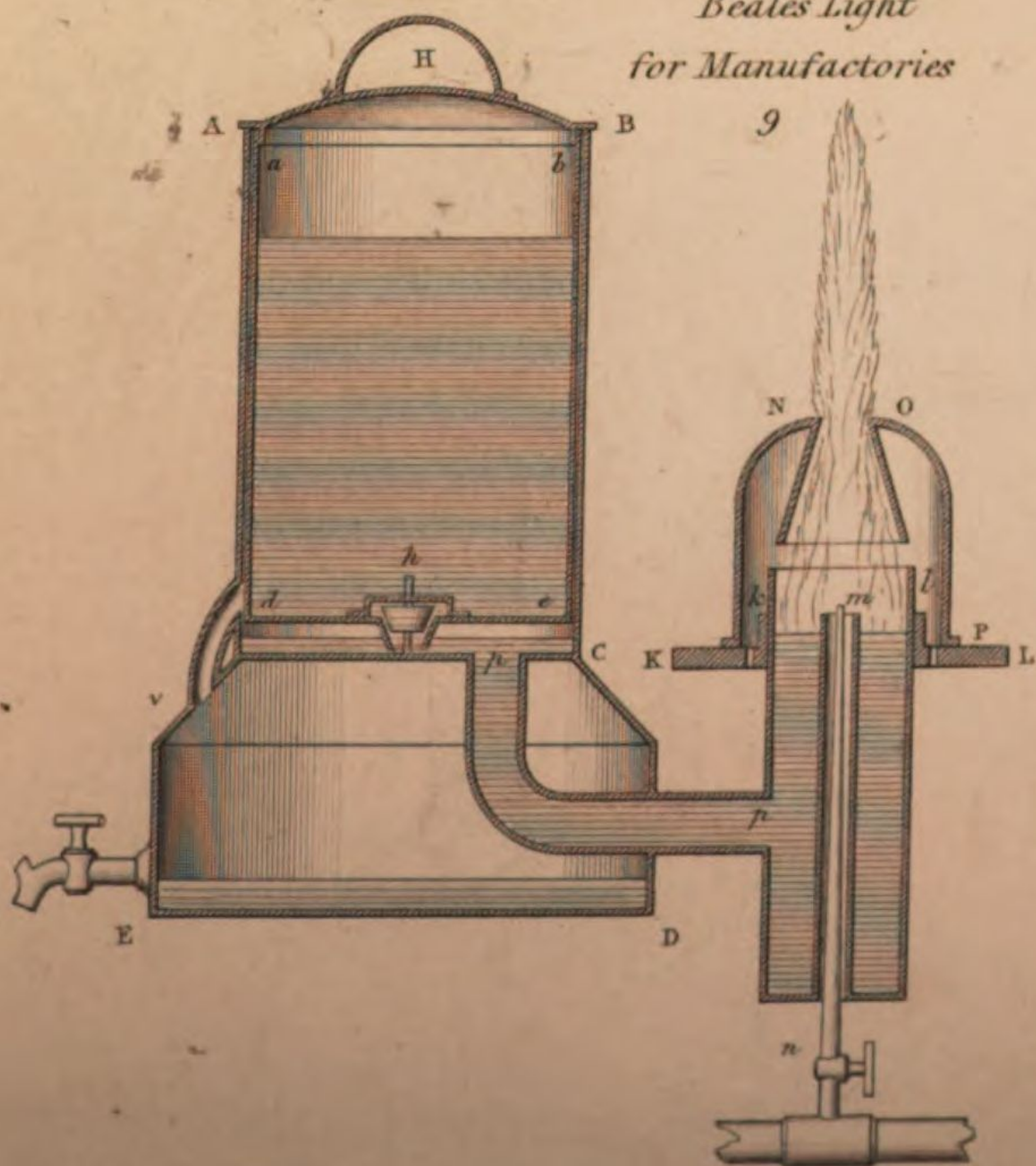


Lighting Manufactories &c. 2

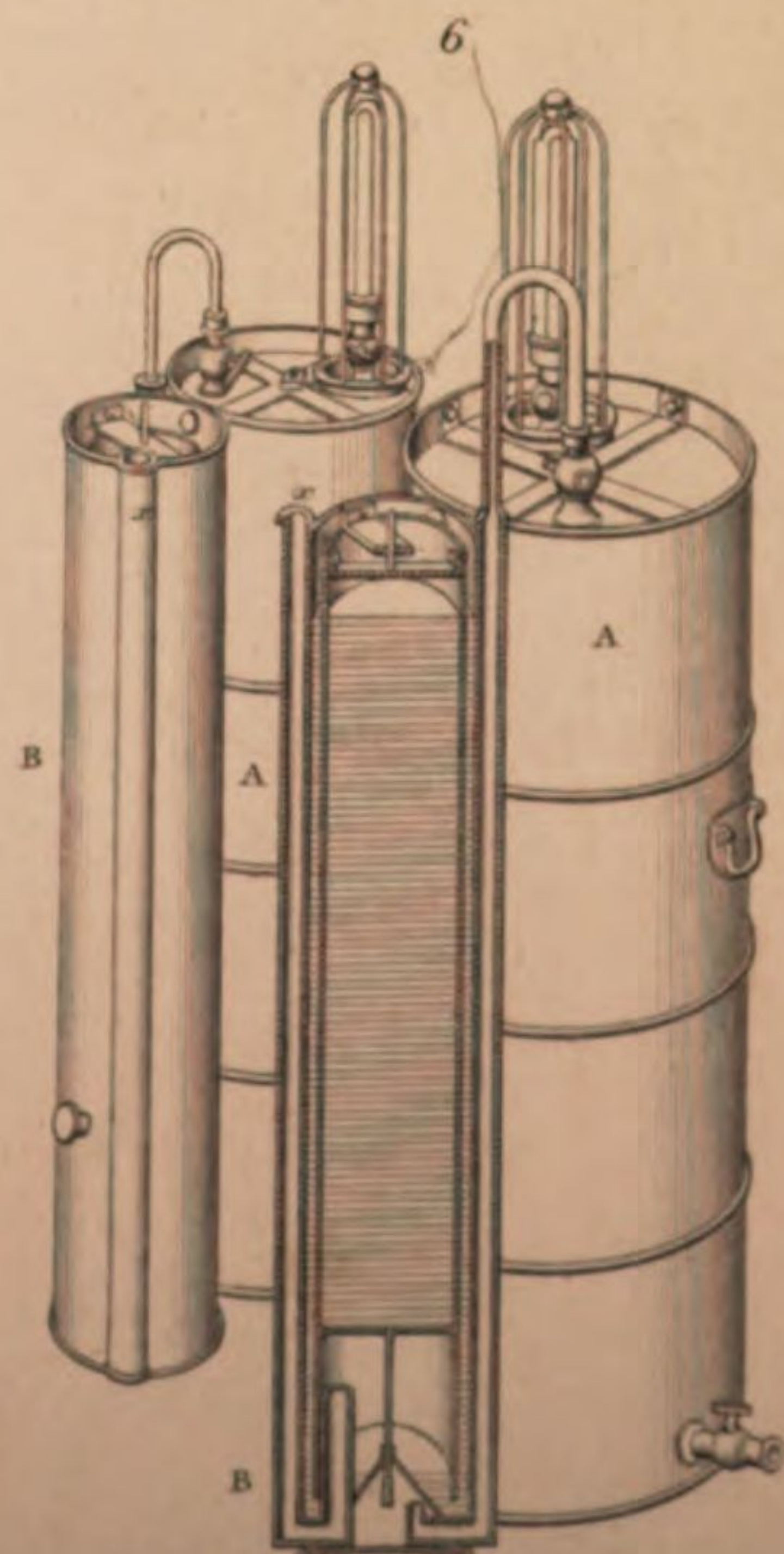
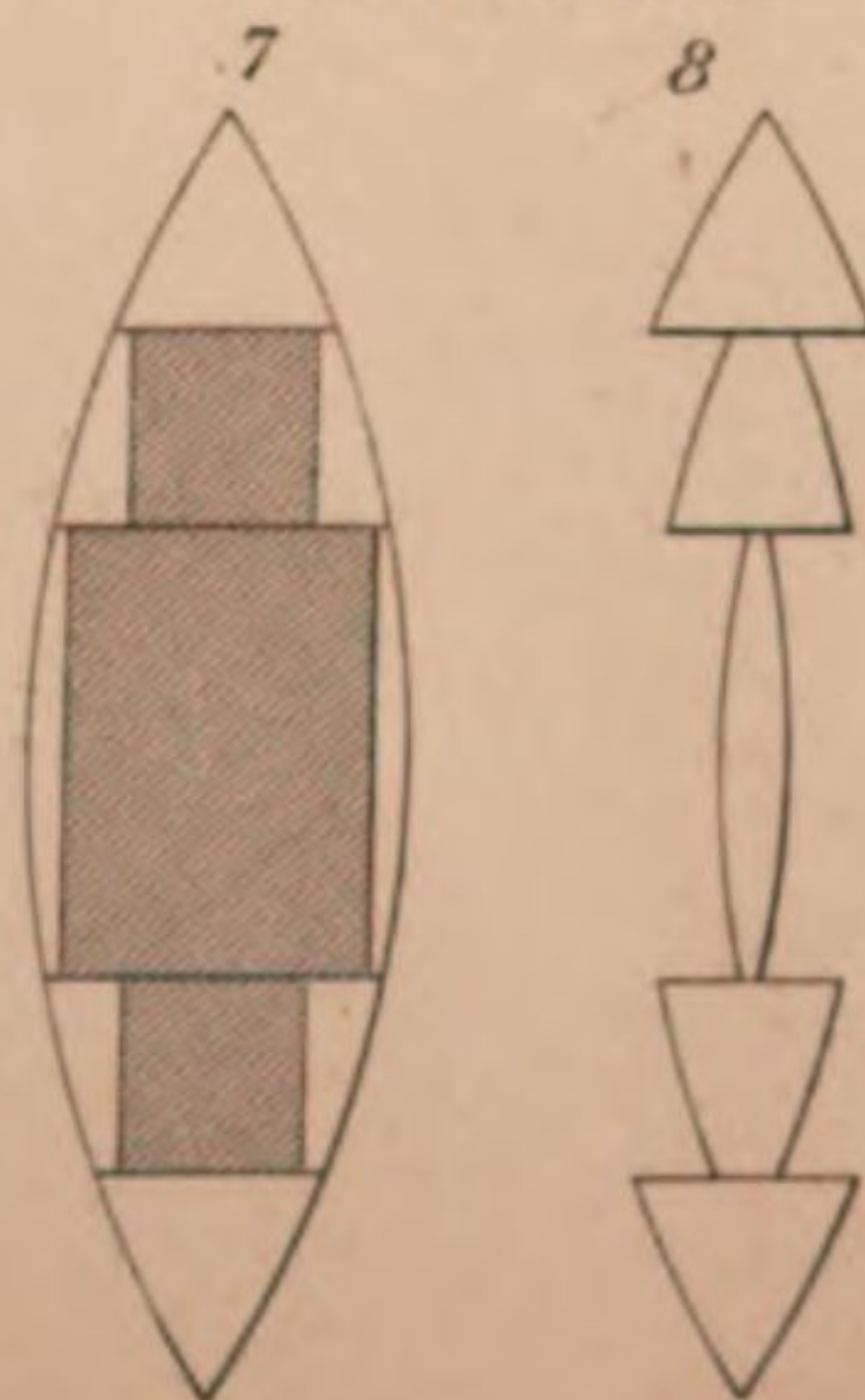
*Drummonds Light
for Light Houses*



*Beales Light
for Manufactories*



Polizonal Lens



1875

1875

1875

1875

1875

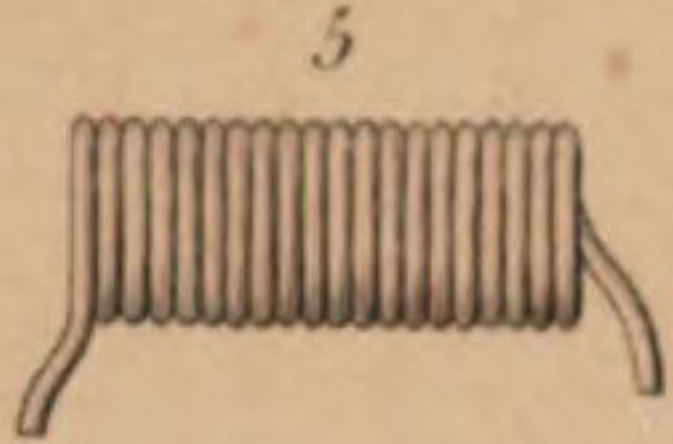
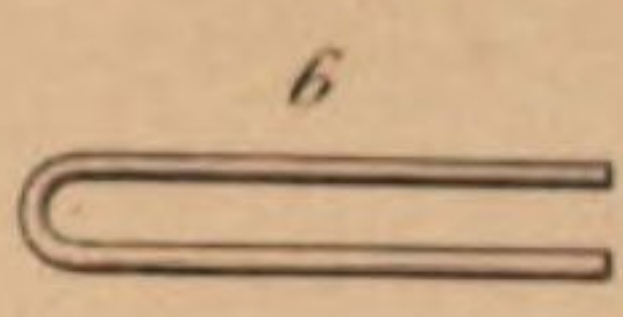
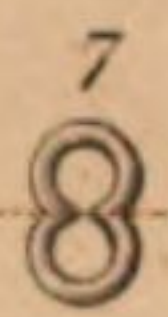


MANUFACTURES.

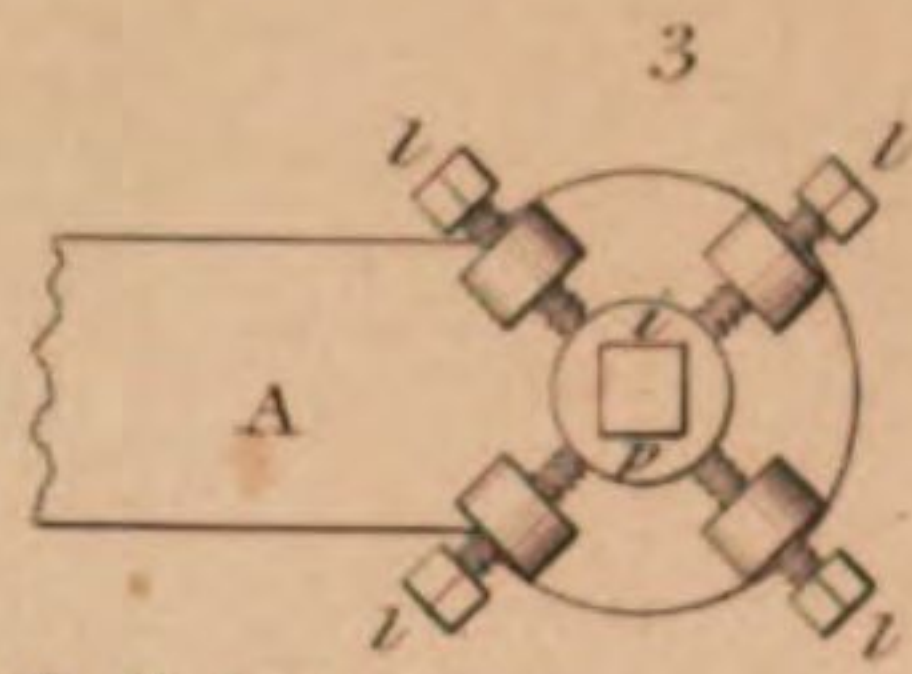
MECHANICAL PROCESSES.

PLATE LVII.

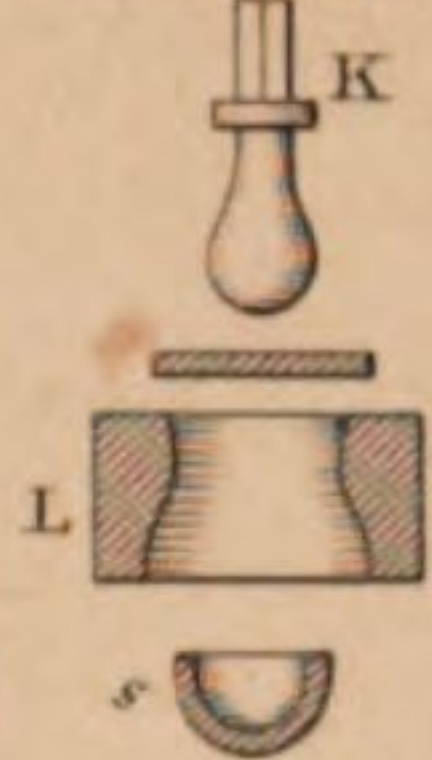
Making shanks



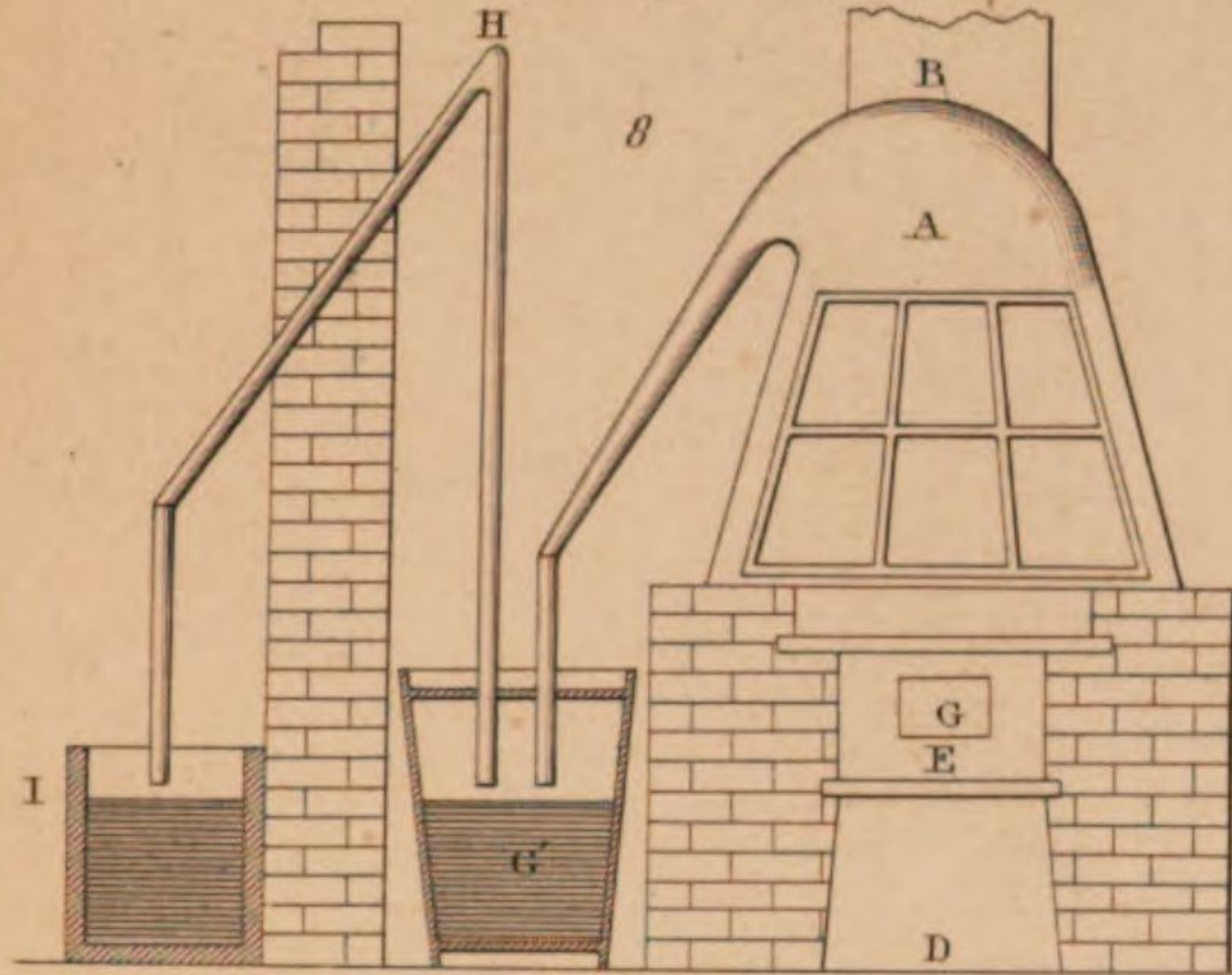
Button making



Shell buttons

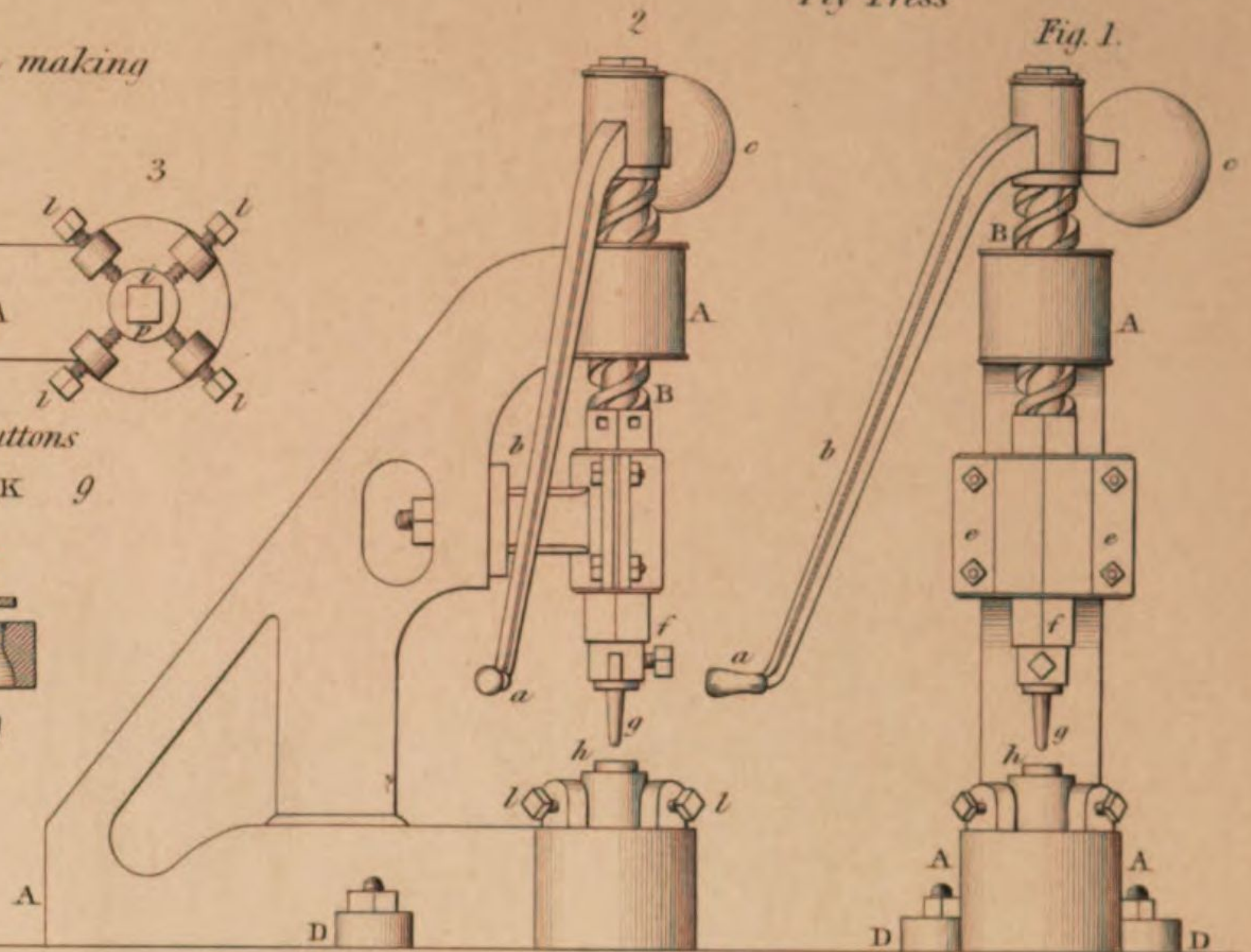


Gilding Furnace



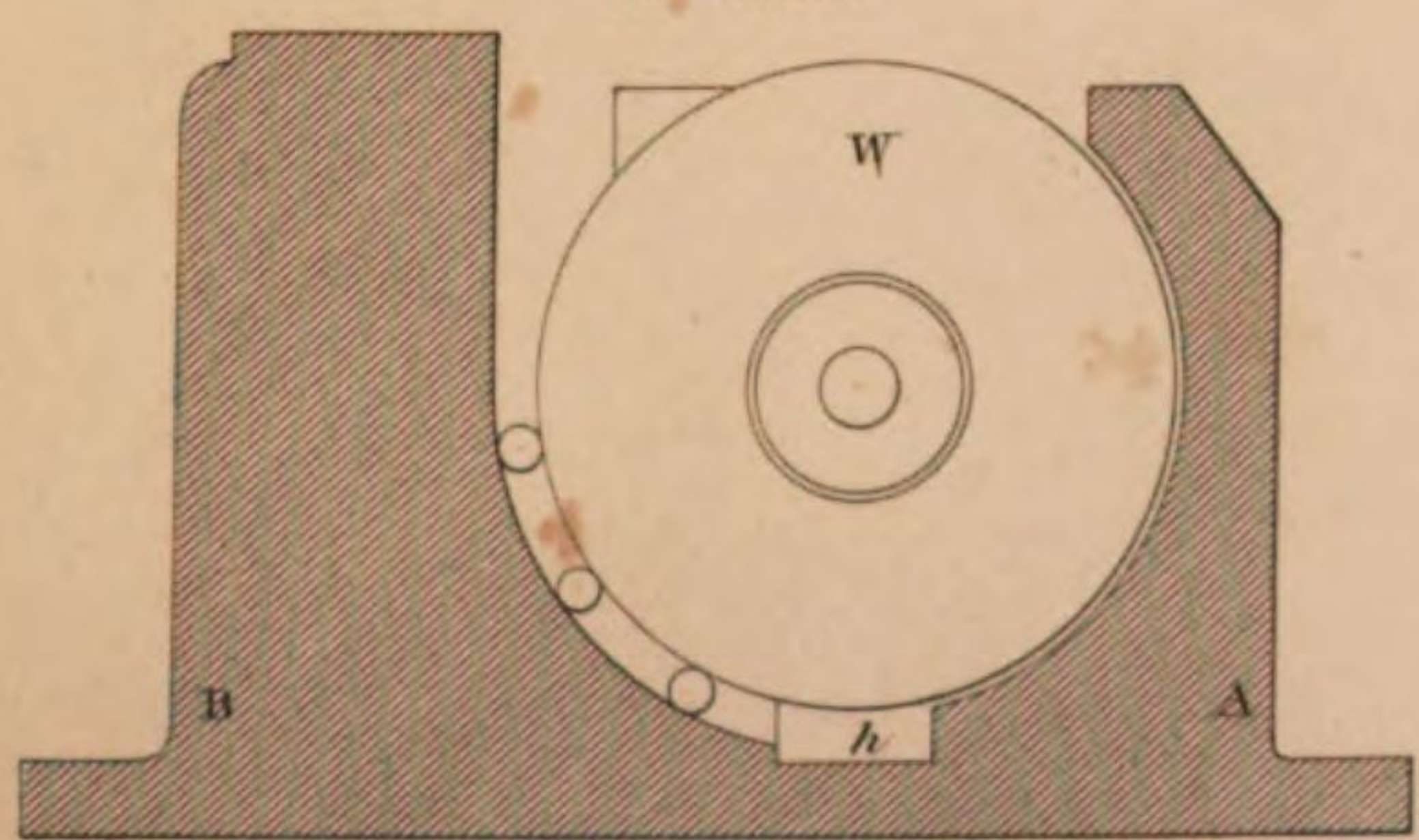
Fly Press

Fig. 1.

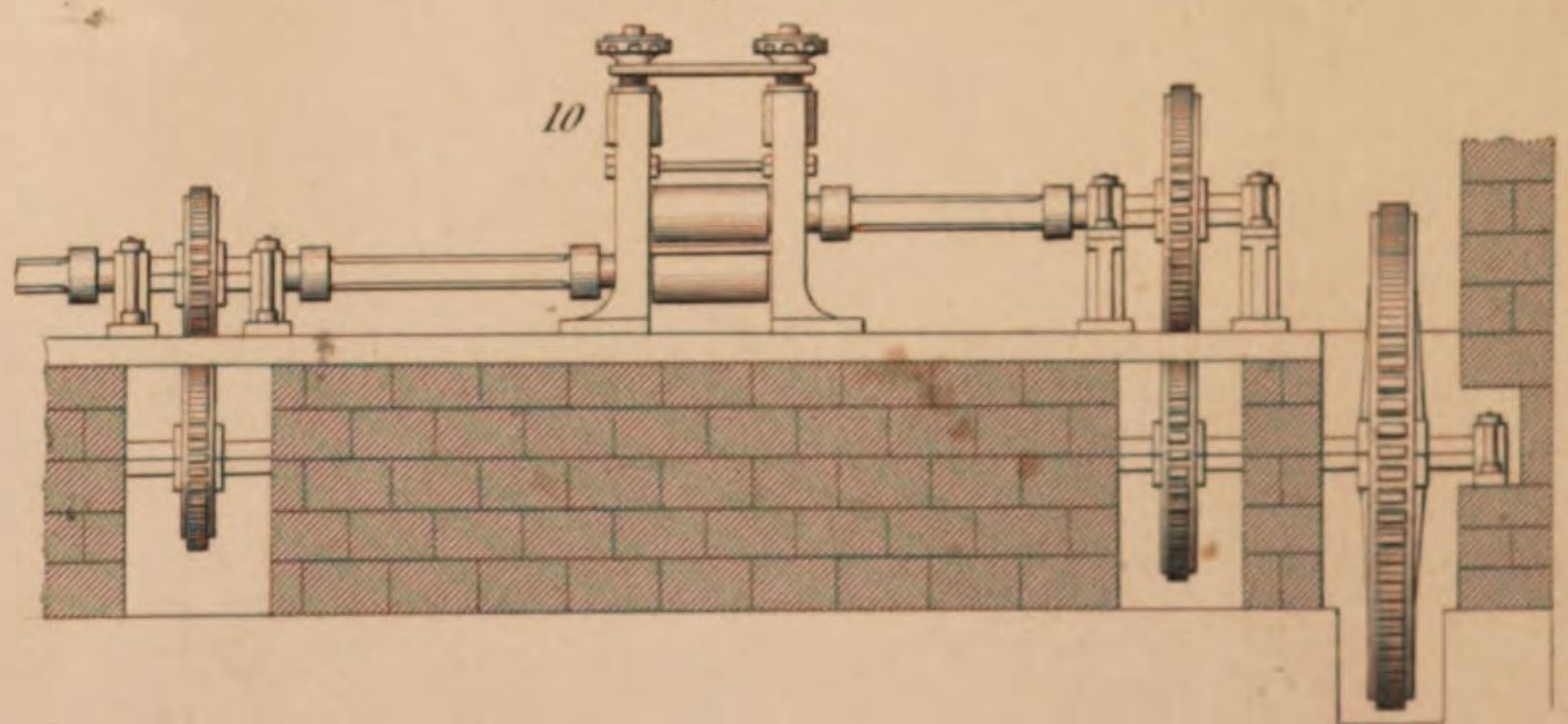


Coining.

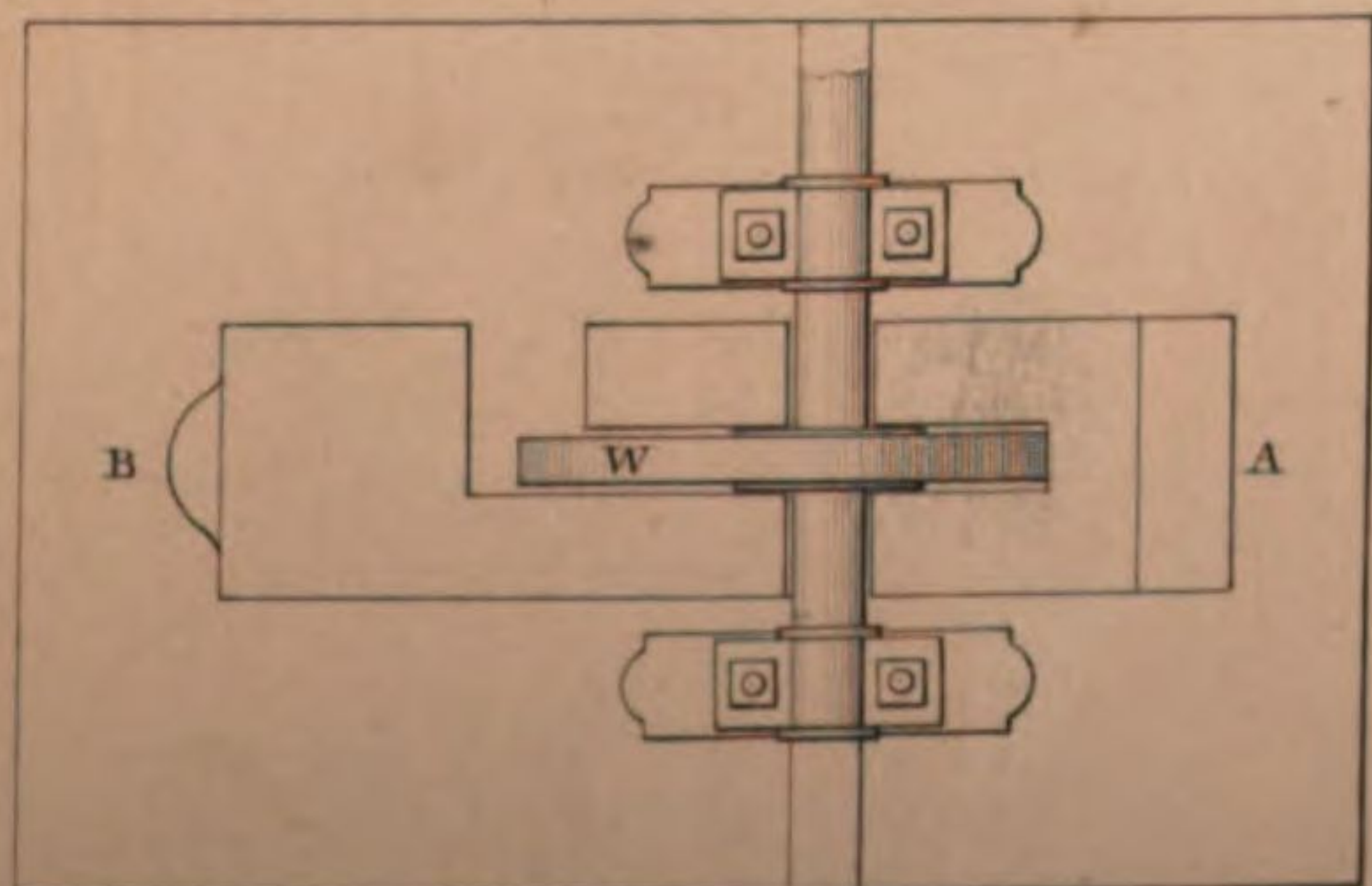
13
Sizing Machine
elevation



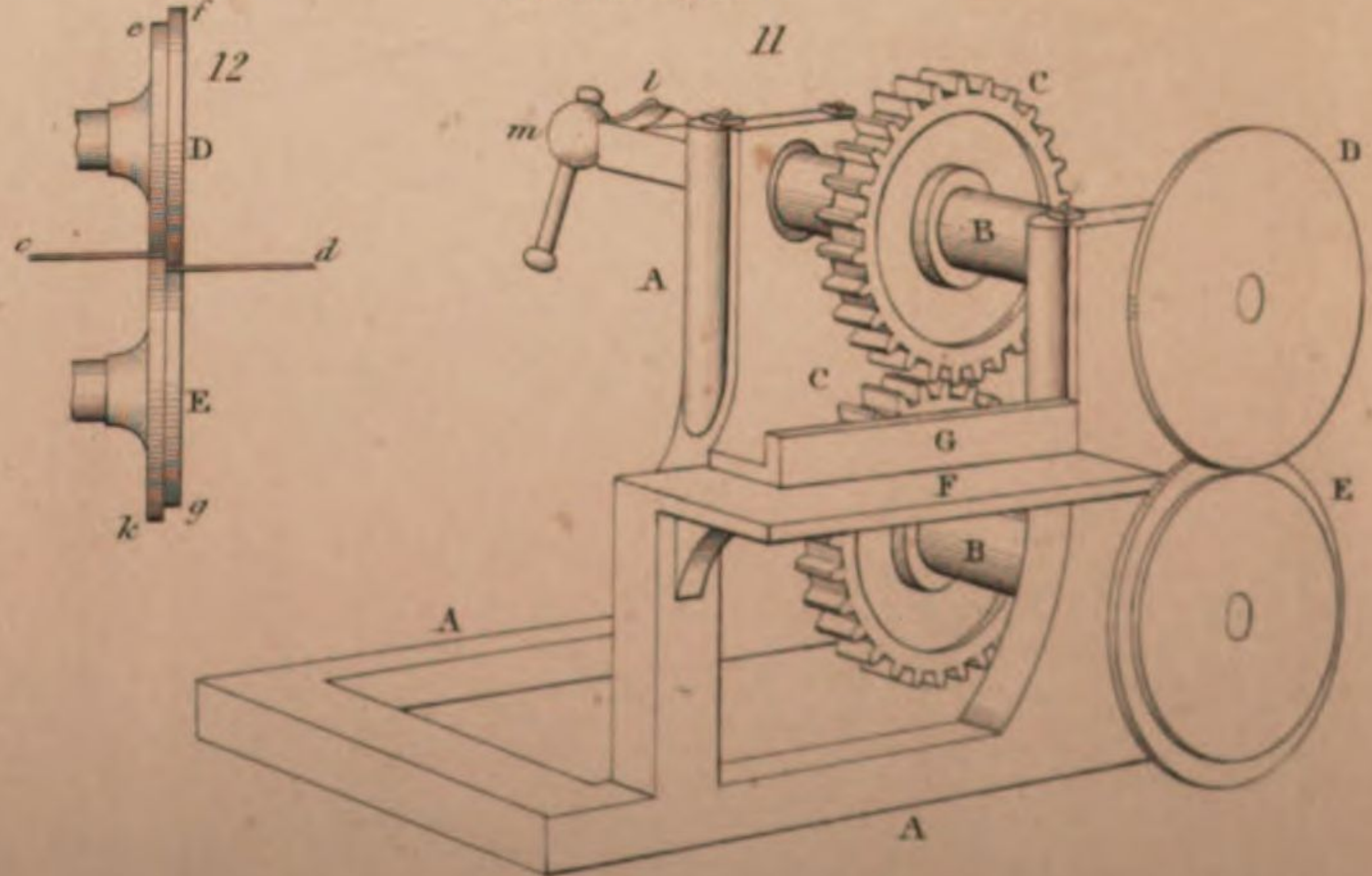
Rolling mill



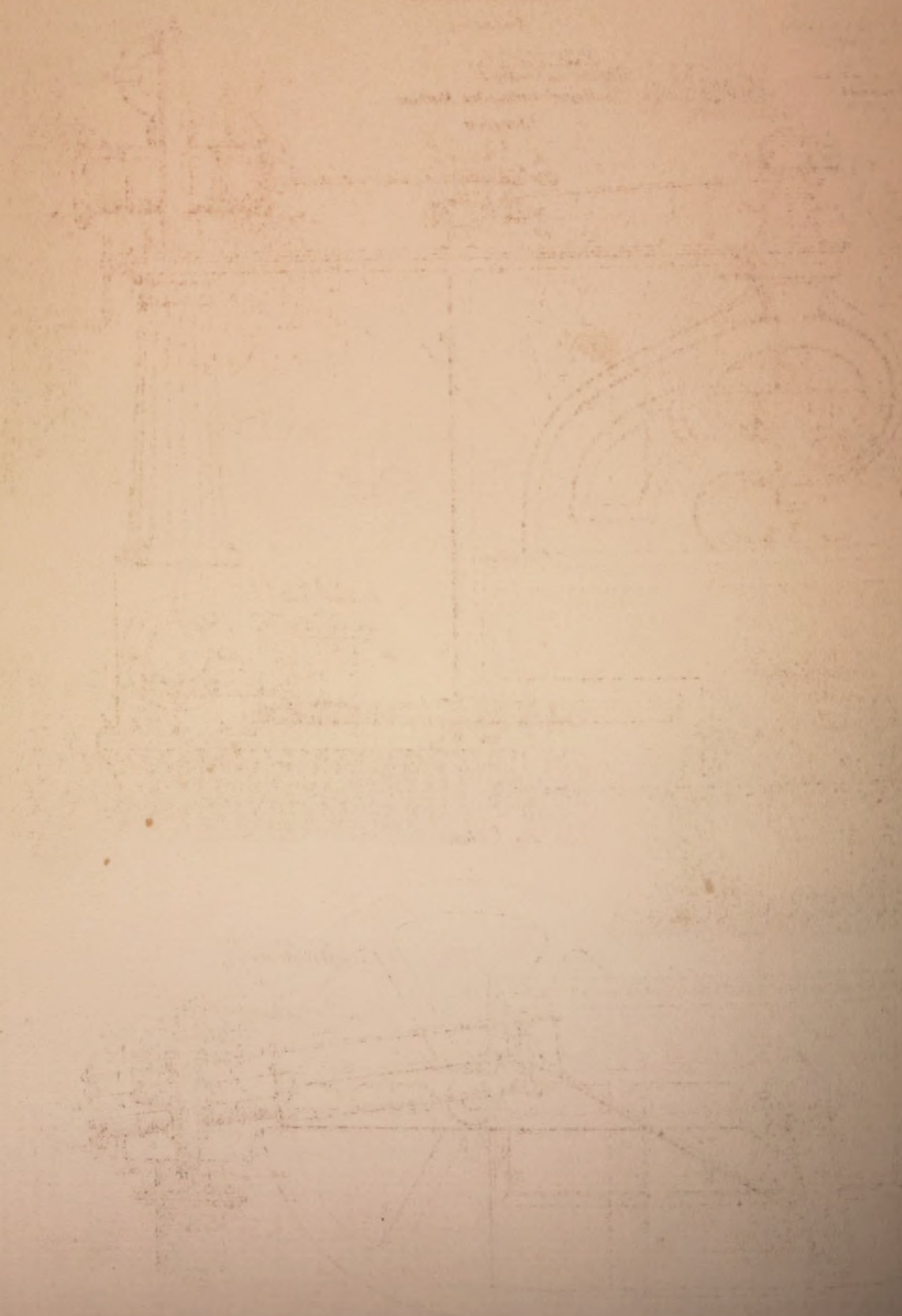
14 Plan



Circular shears



1845
1846



MANUFACTURES.

MECHANICAL PROCESSES.

Coining.

PLATE LVIII.

Fig. 1.
Hague's Cutting Out Machine.
Elevation.

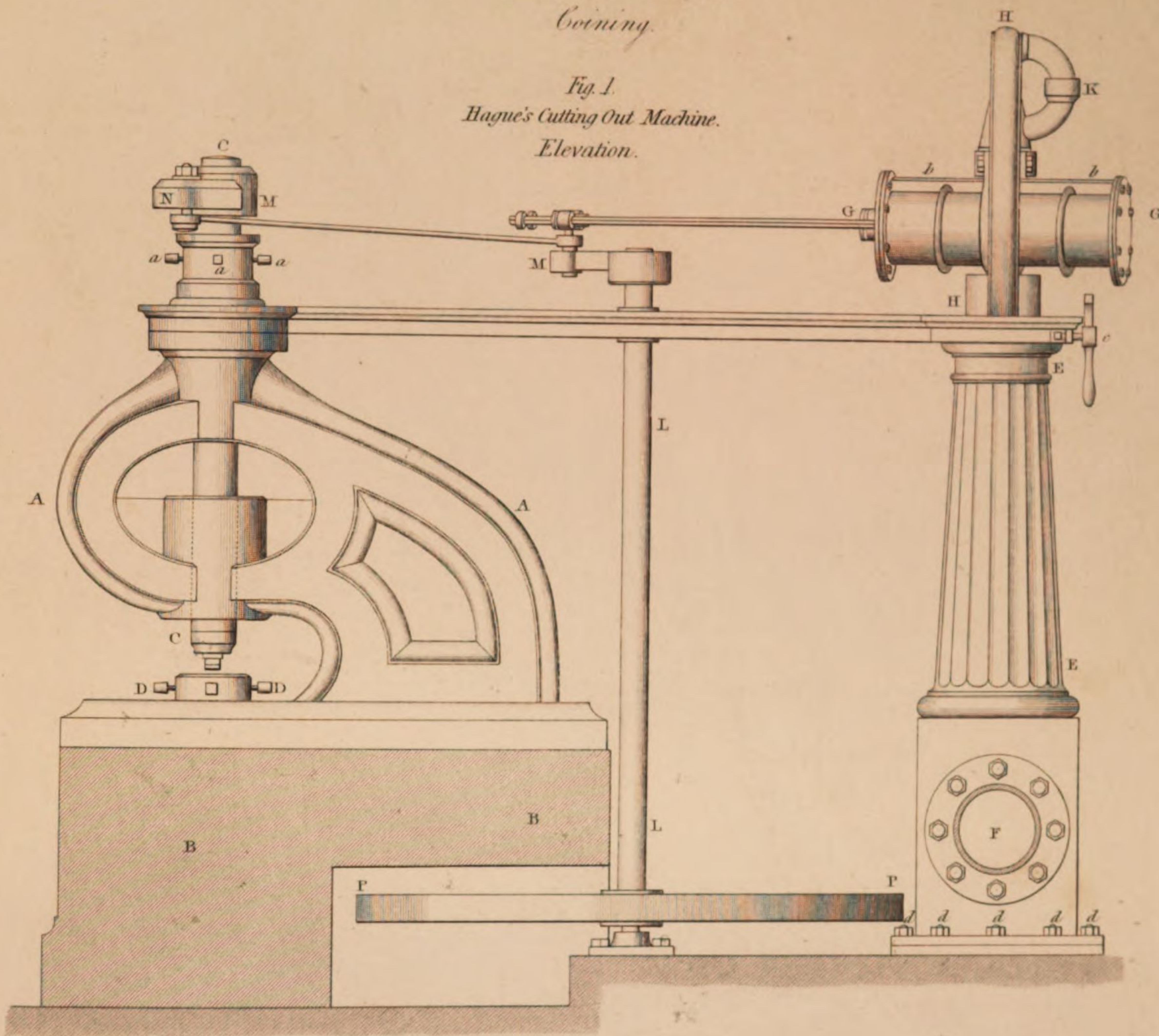
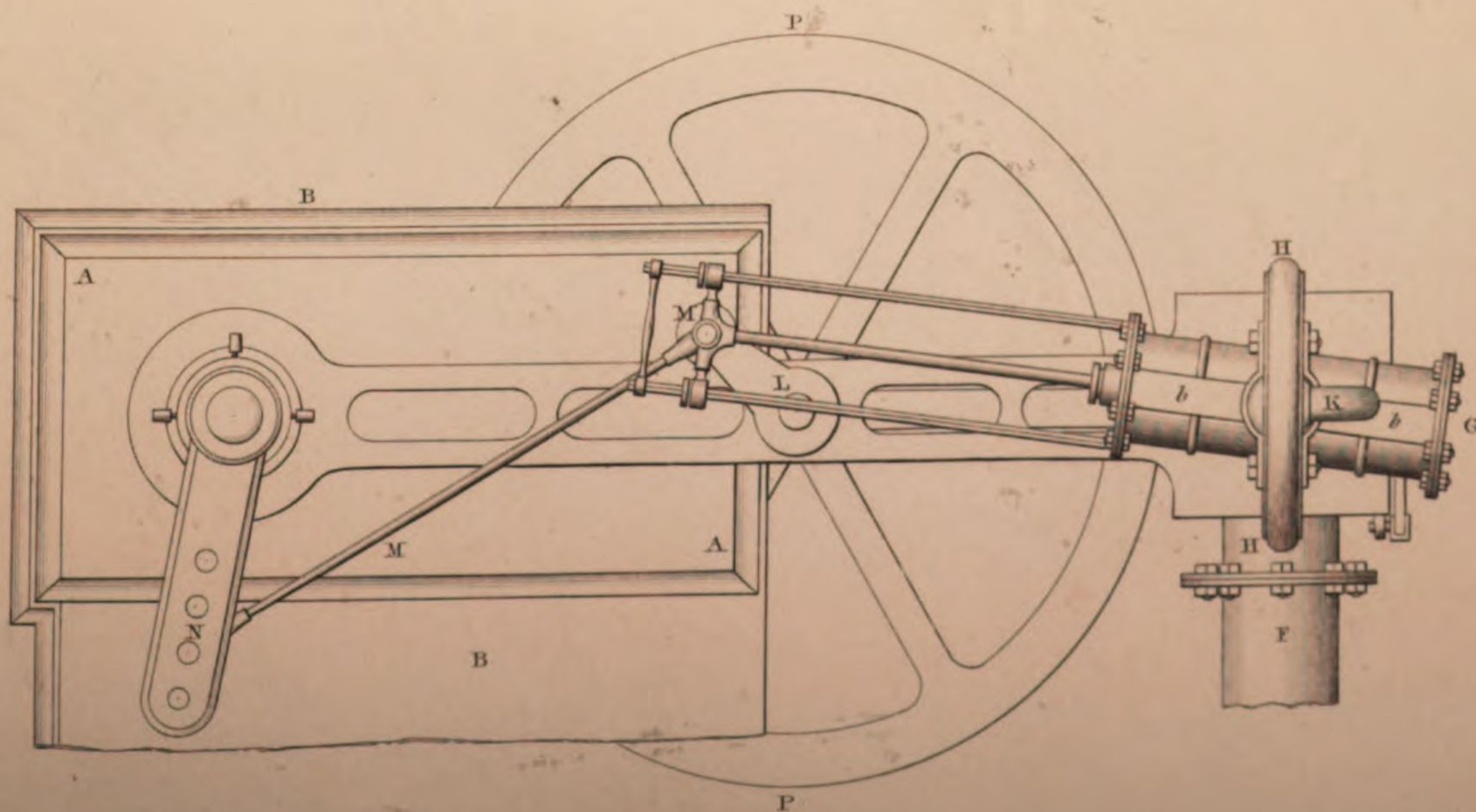


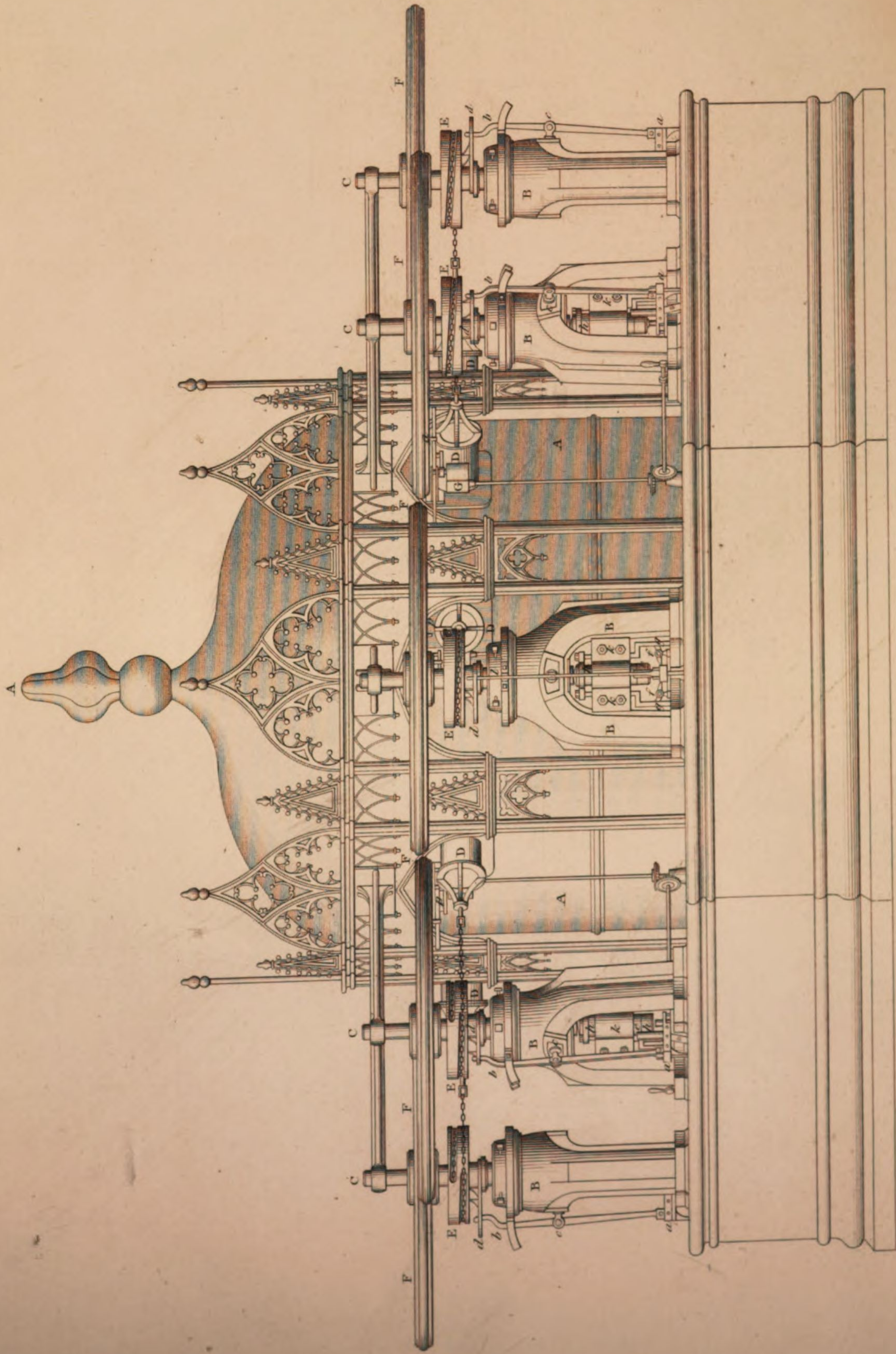
Fig. 2. Plan.

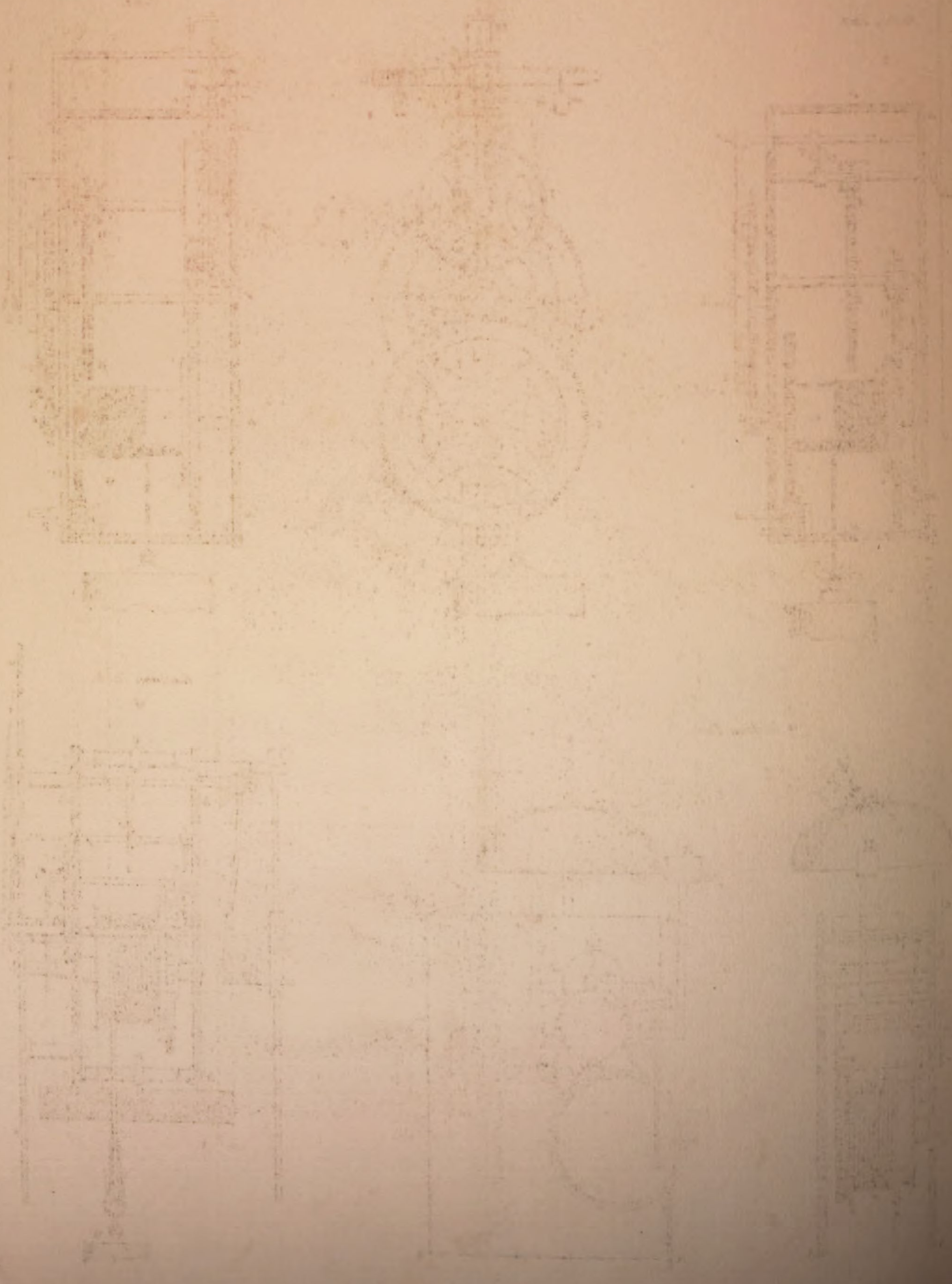


P. Barlow Junr. del.

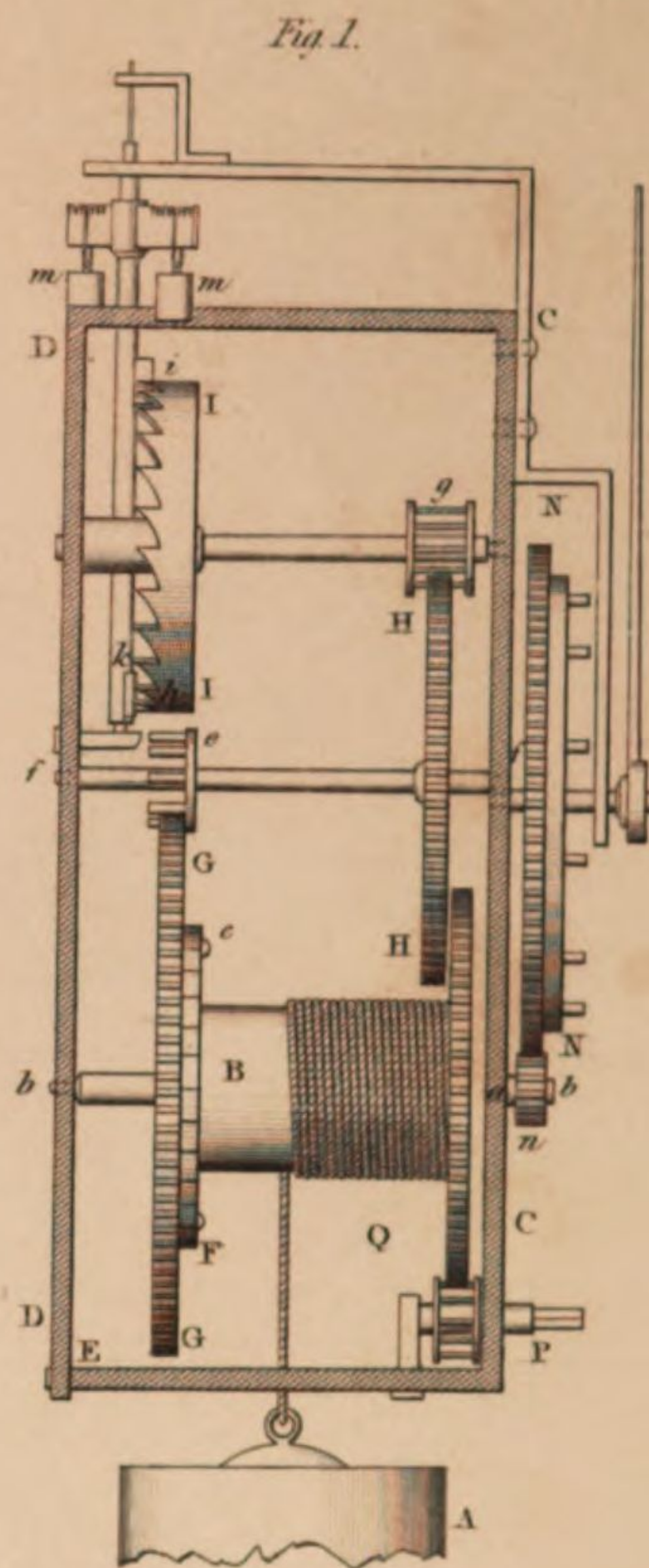
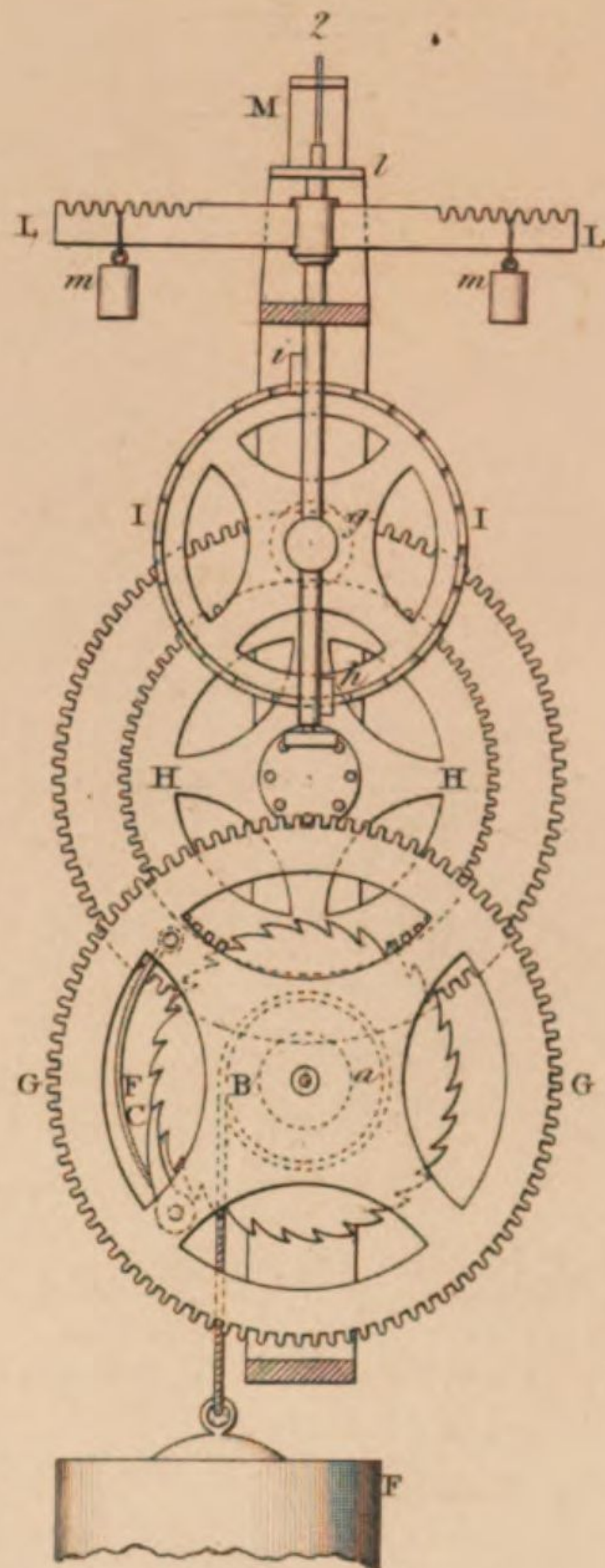
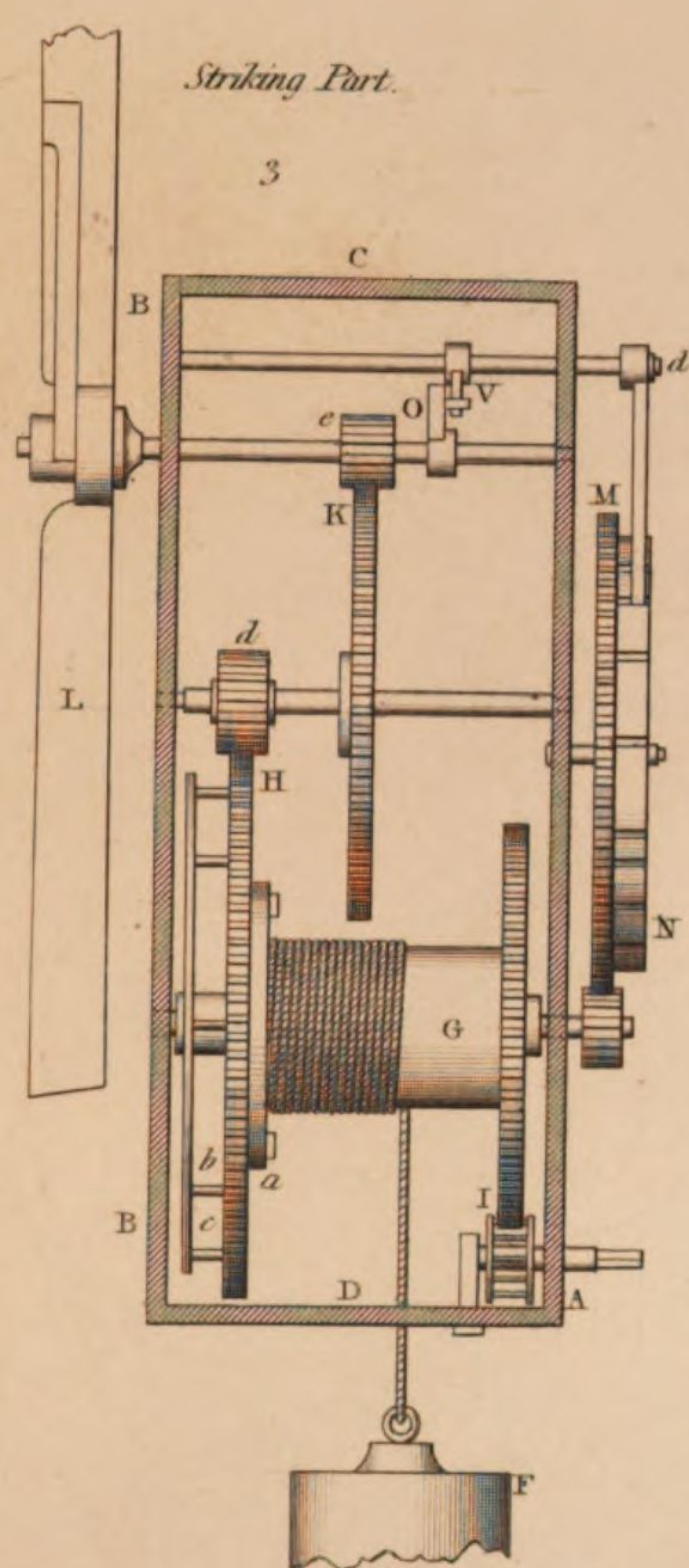
J. W. Lowry sculp.

Haque's Stamping Machine.

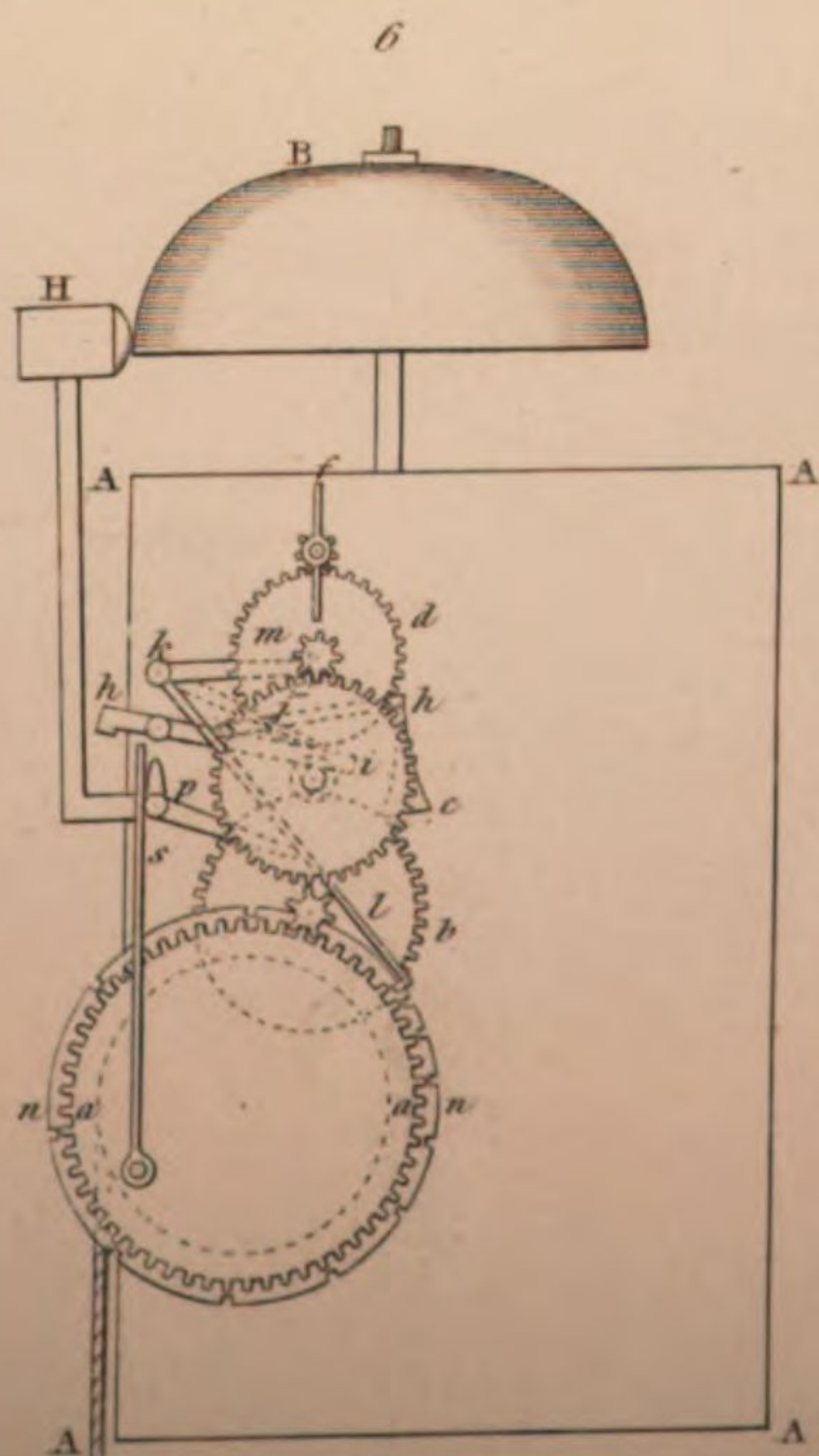
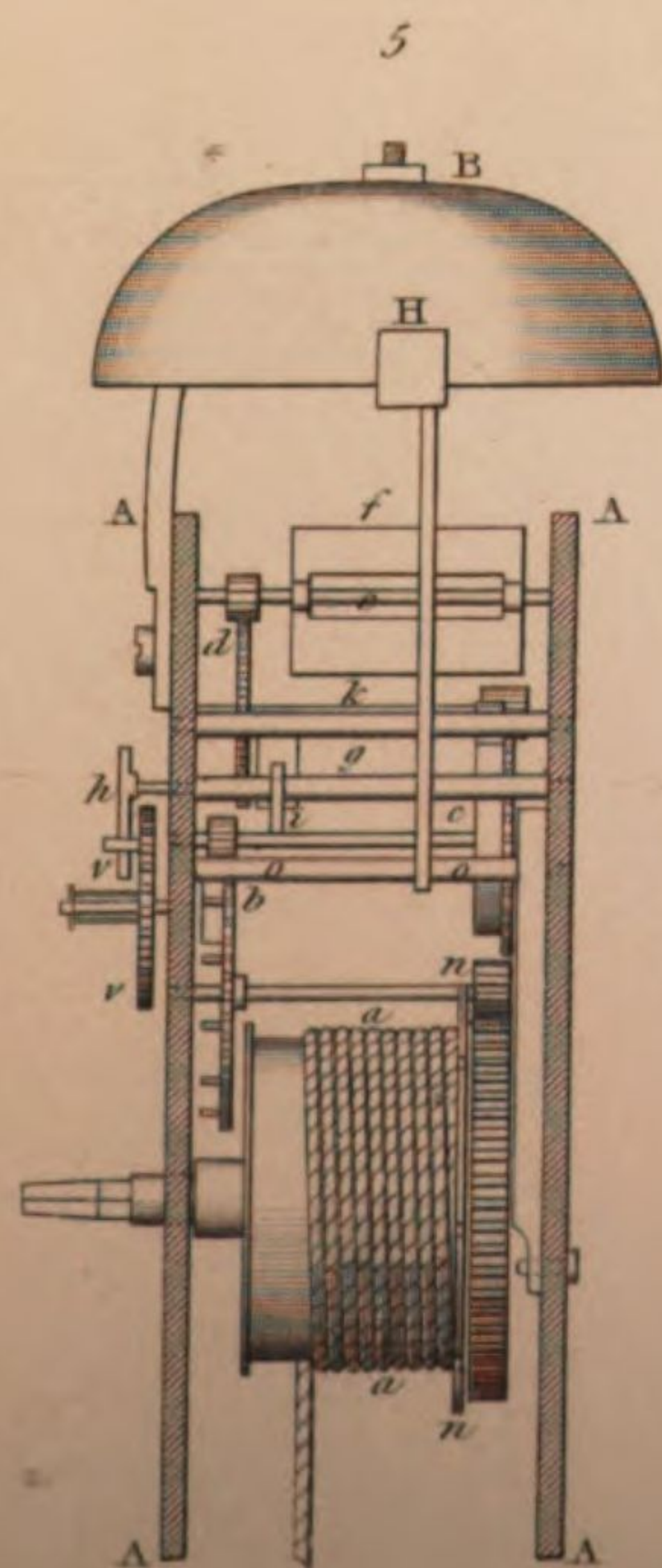




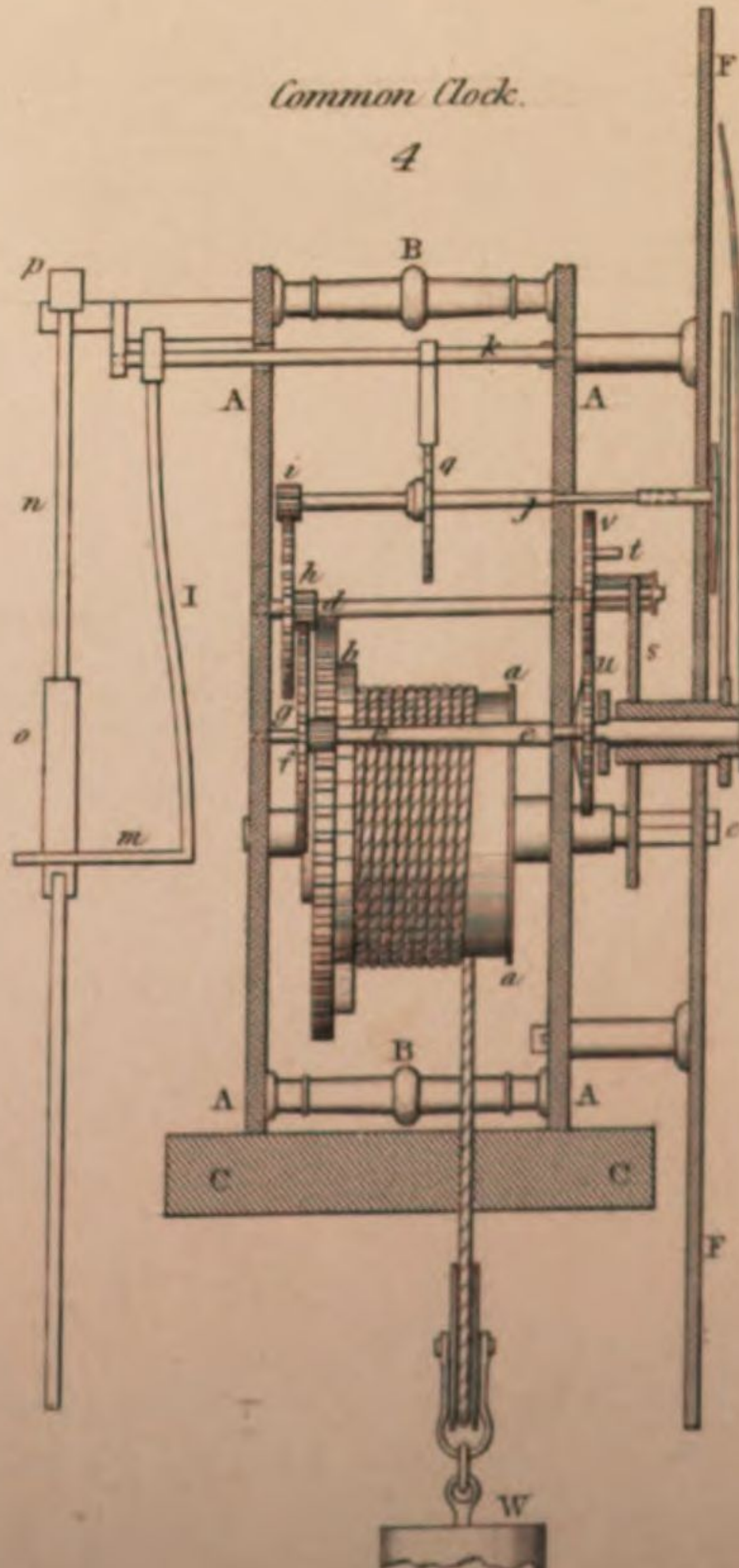
Ancient Clock by De Wick.



Striking Part



Common Clock.



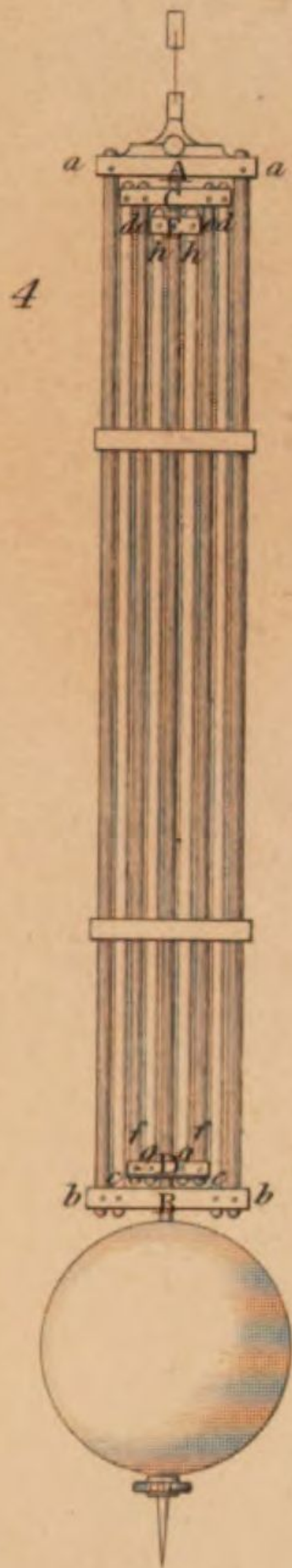
MANUFACTURES.

MECHANICAL PROCESSES.

PLATE LXI.

Pendulums.

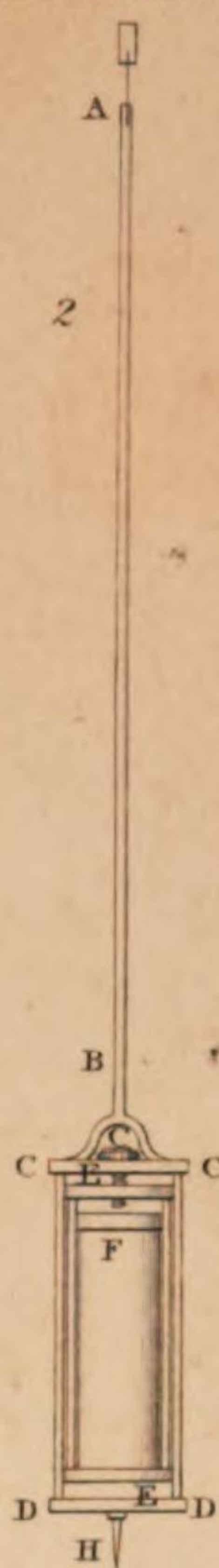
Gridiron.



Graham's Mercurial.



Reid's Mercurial.



Frodsham's Mercurial.



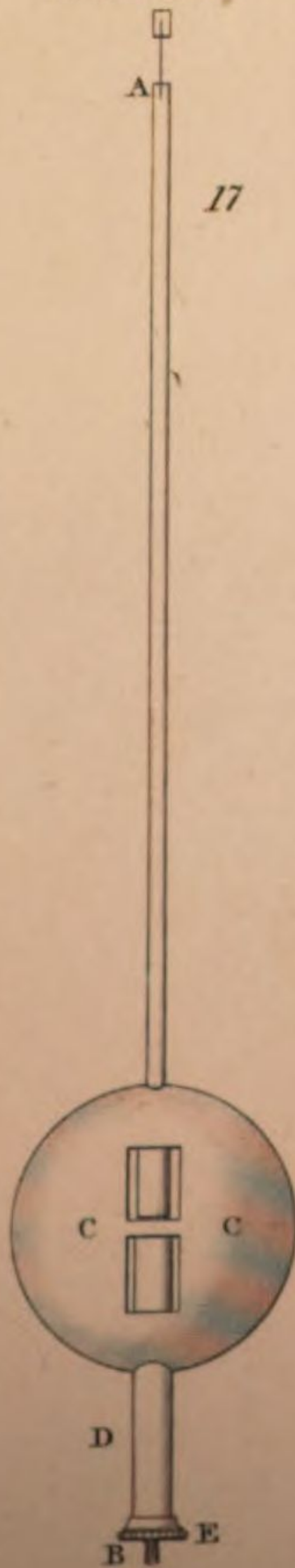
Ellicot's



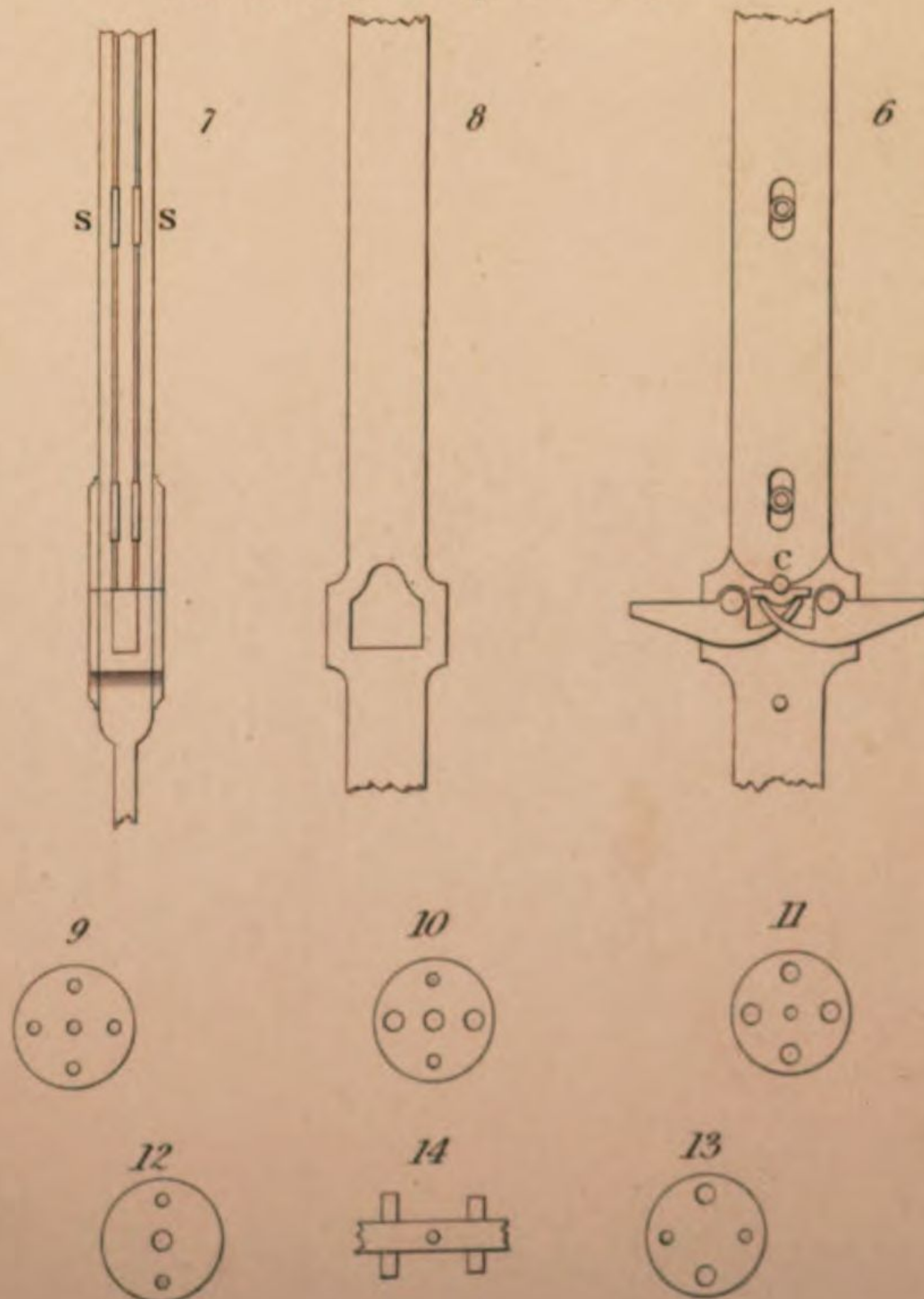
Tho's Reid's.



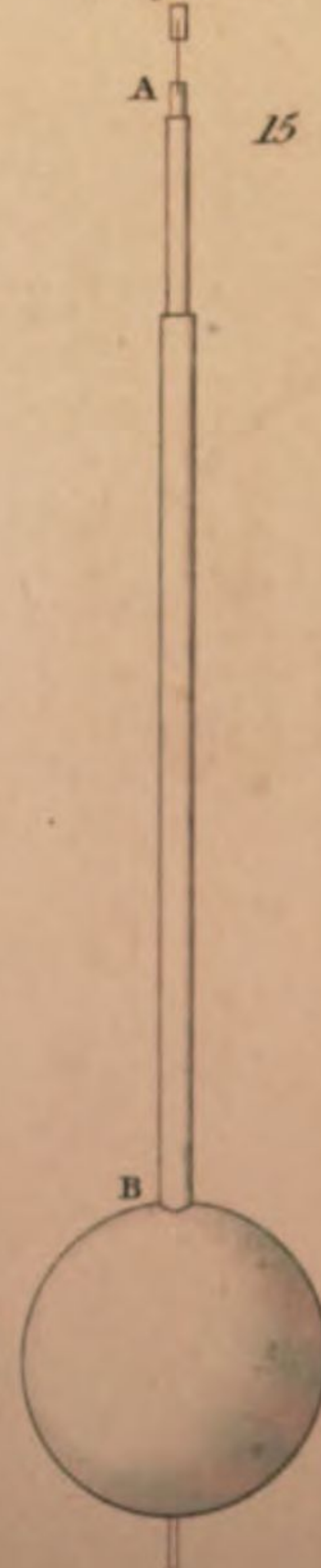
Adam Reid's.



Ellicot's improved by Cummings.



Troughton's.



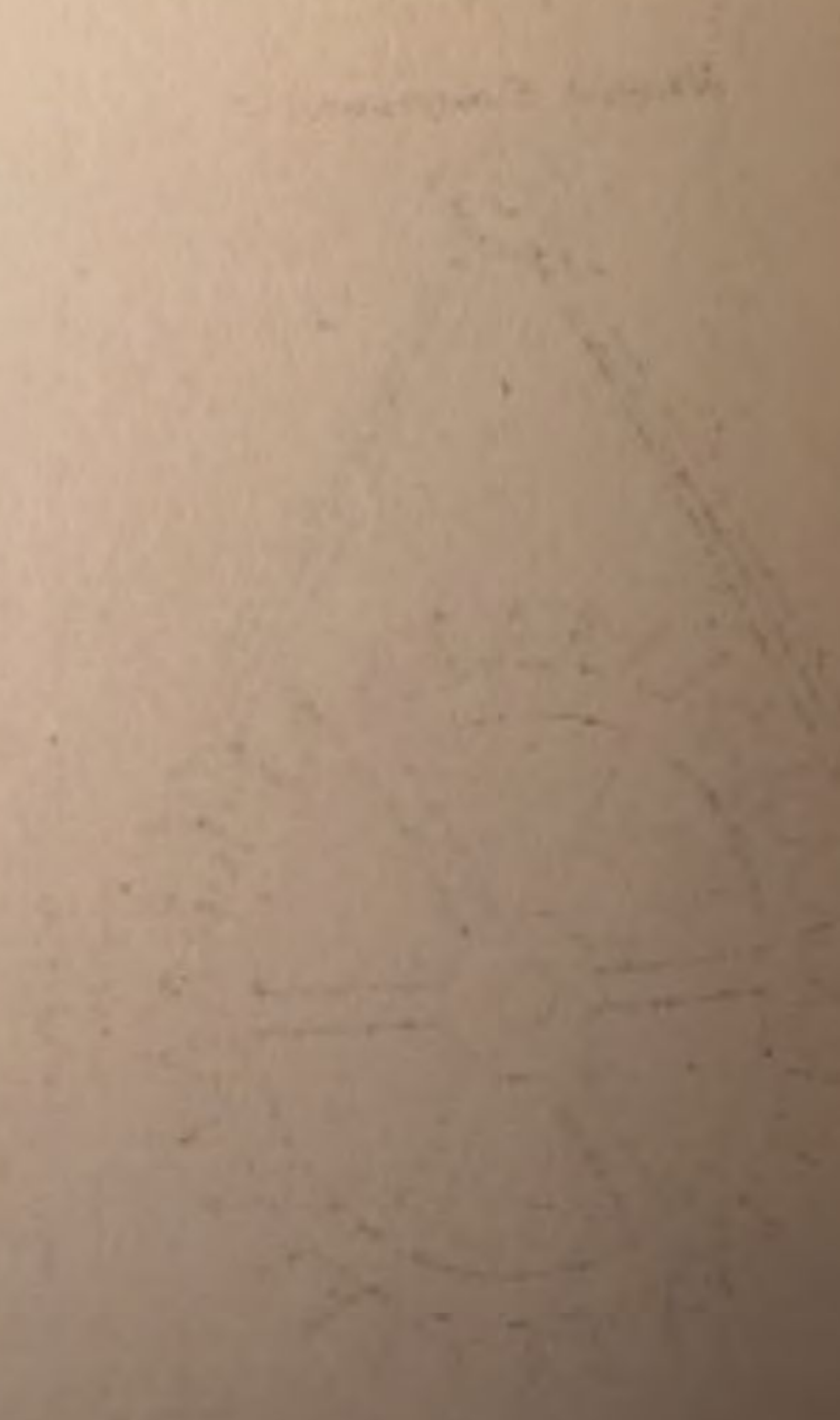
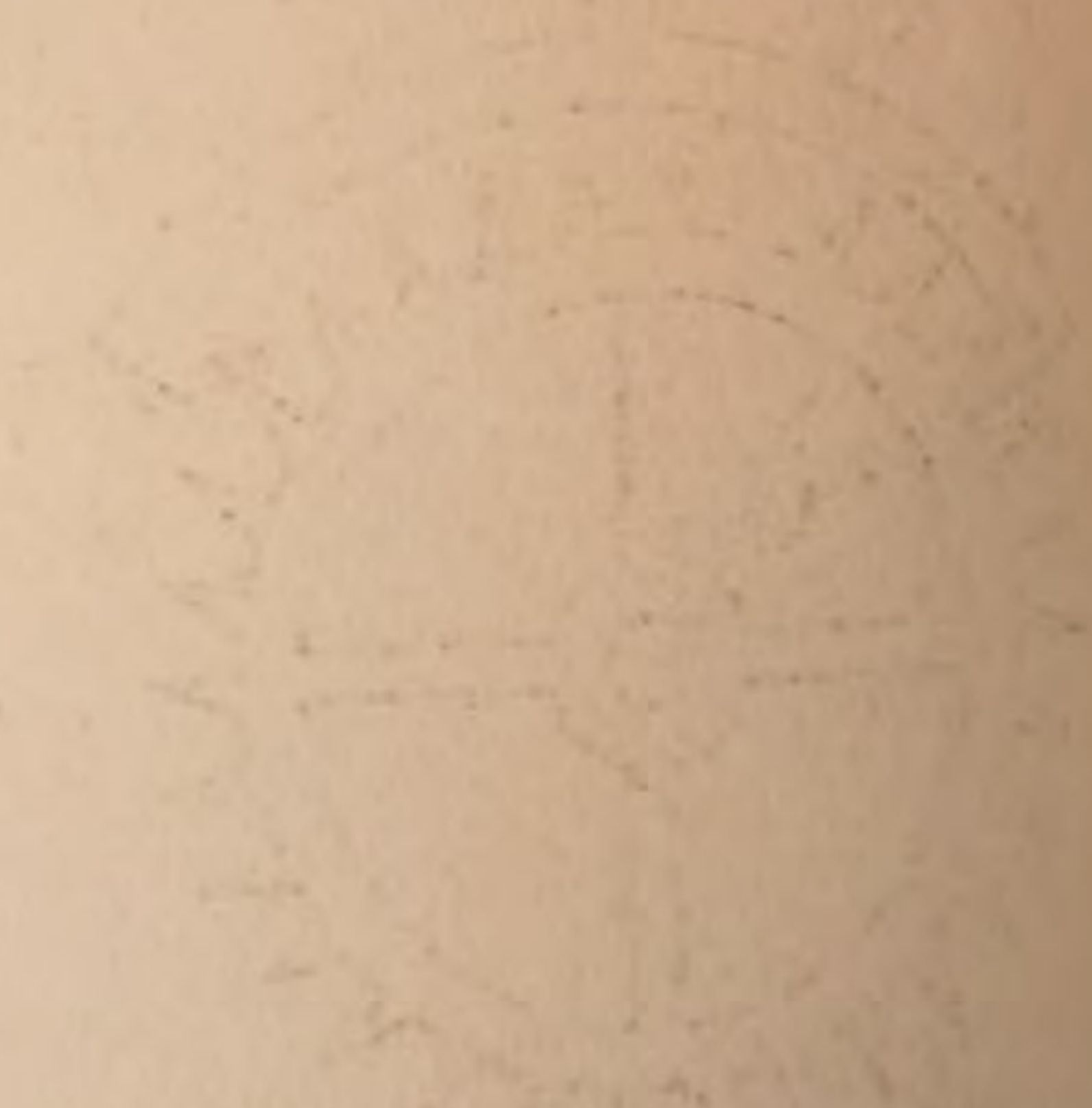
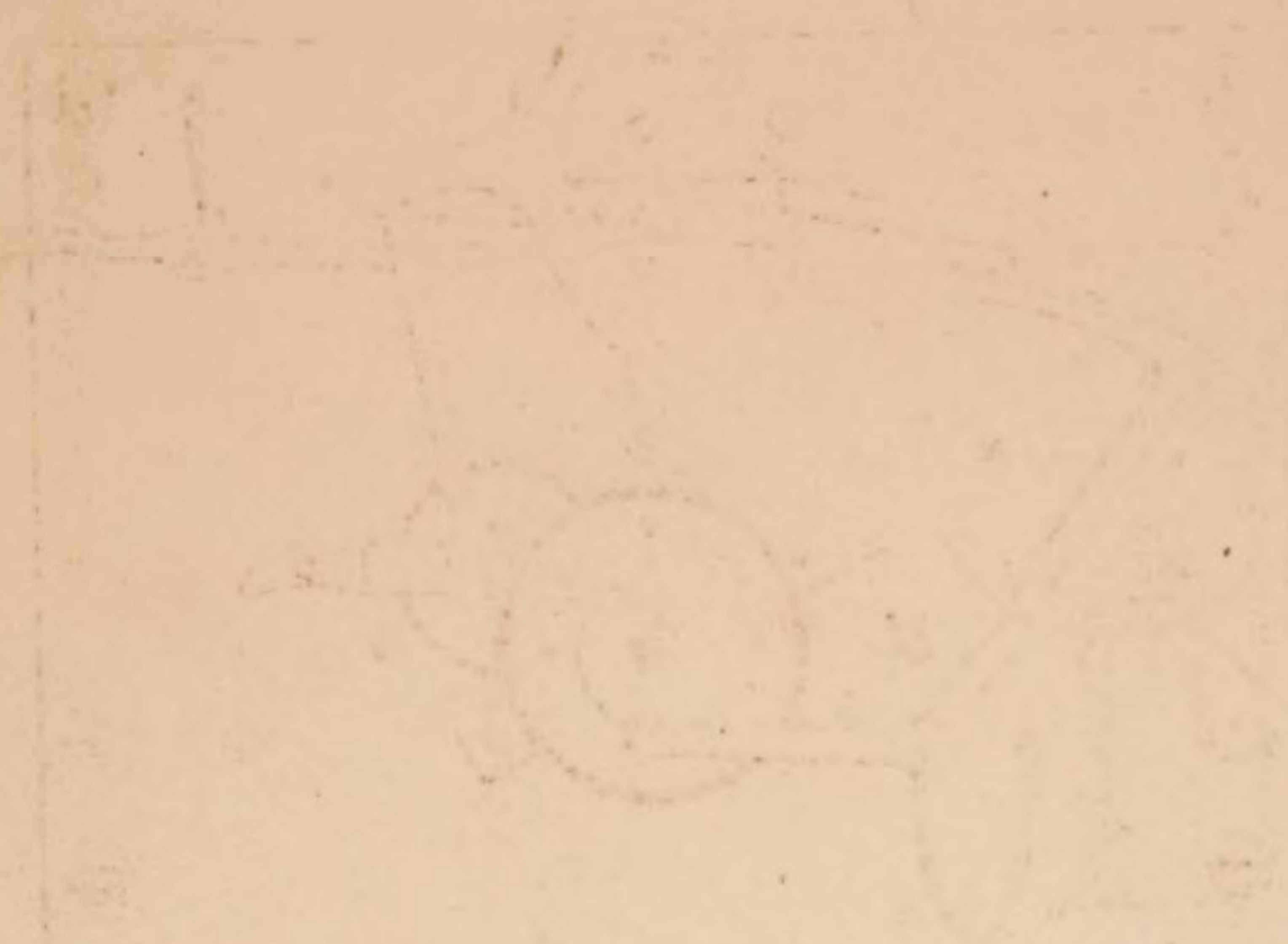
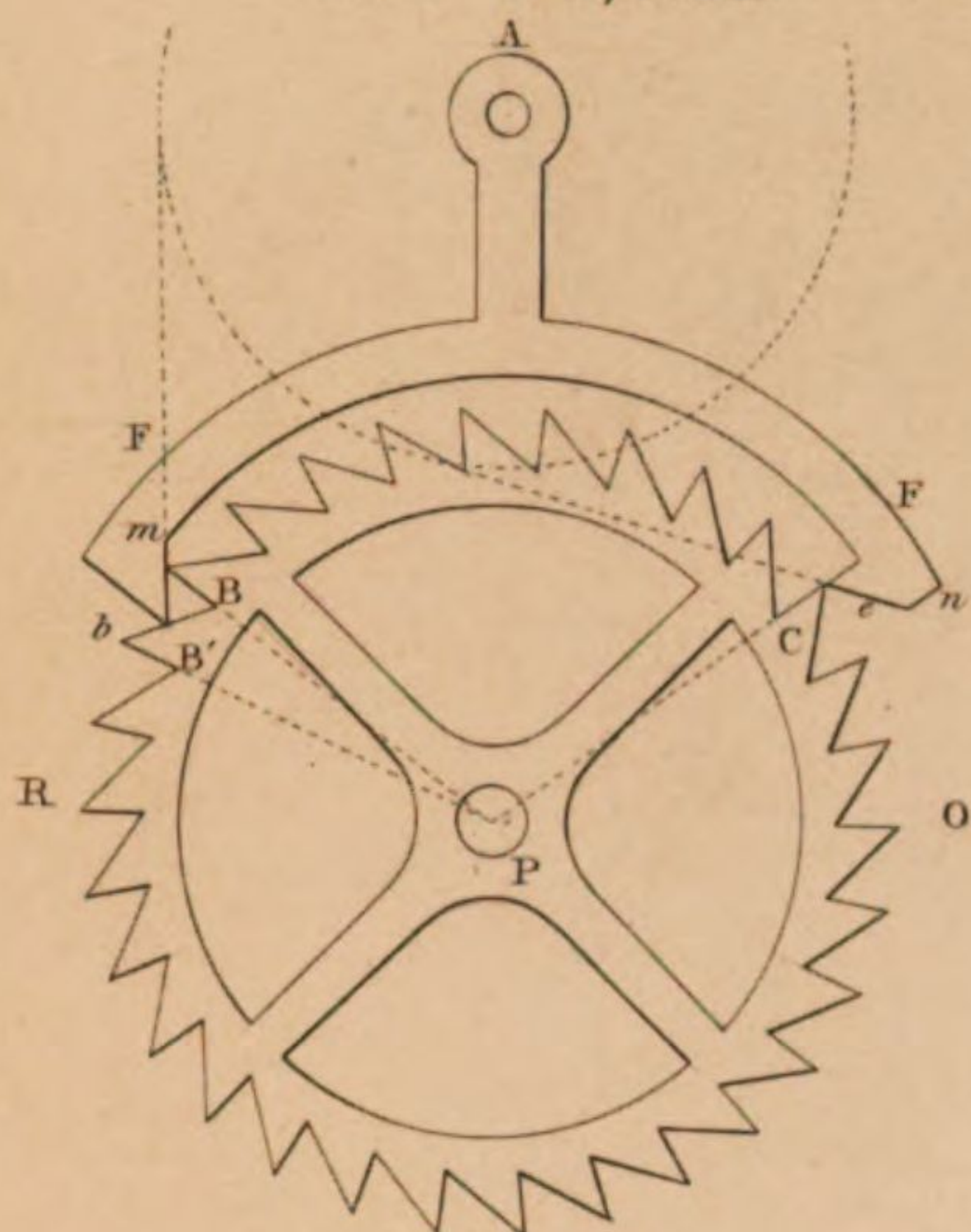
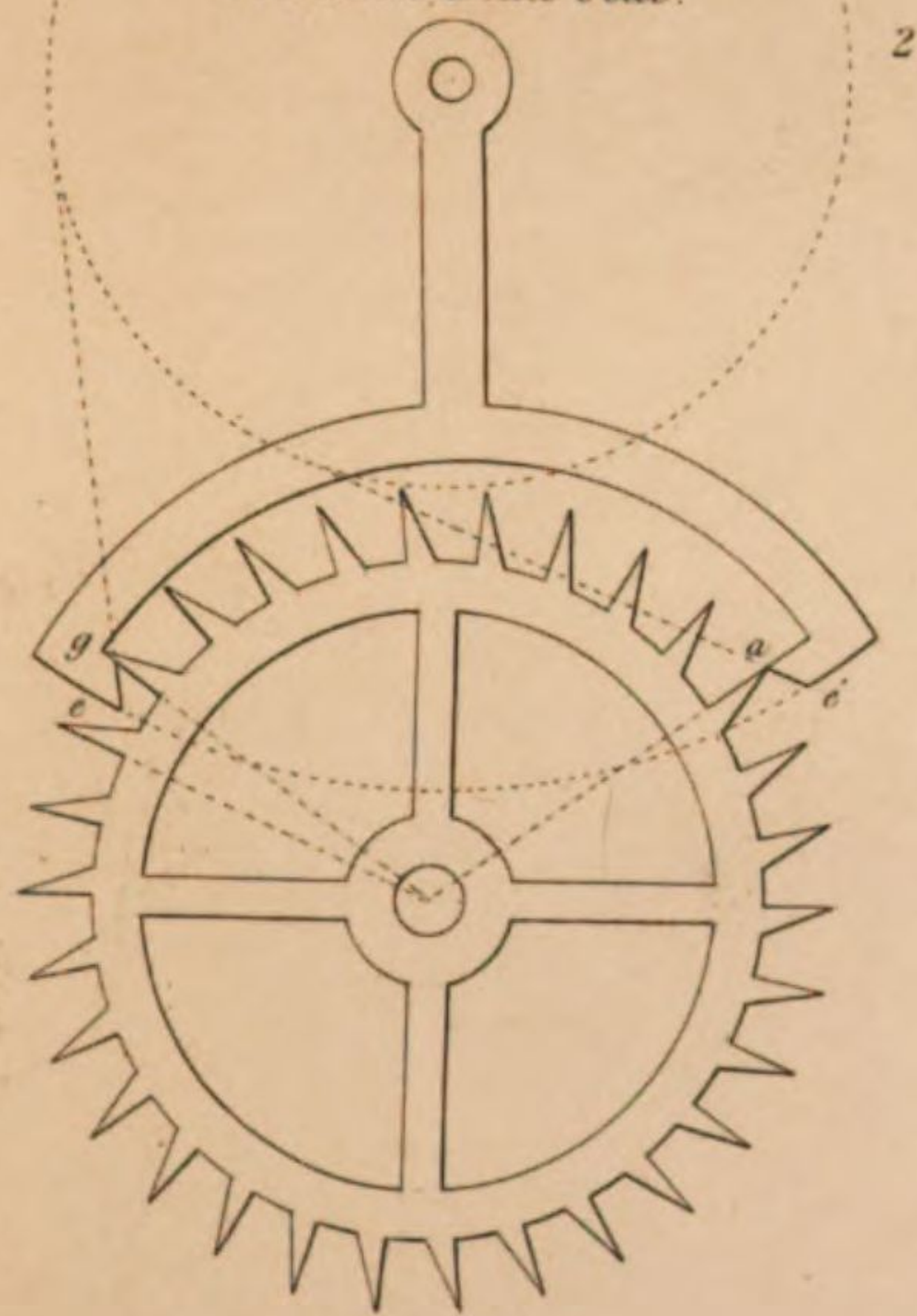


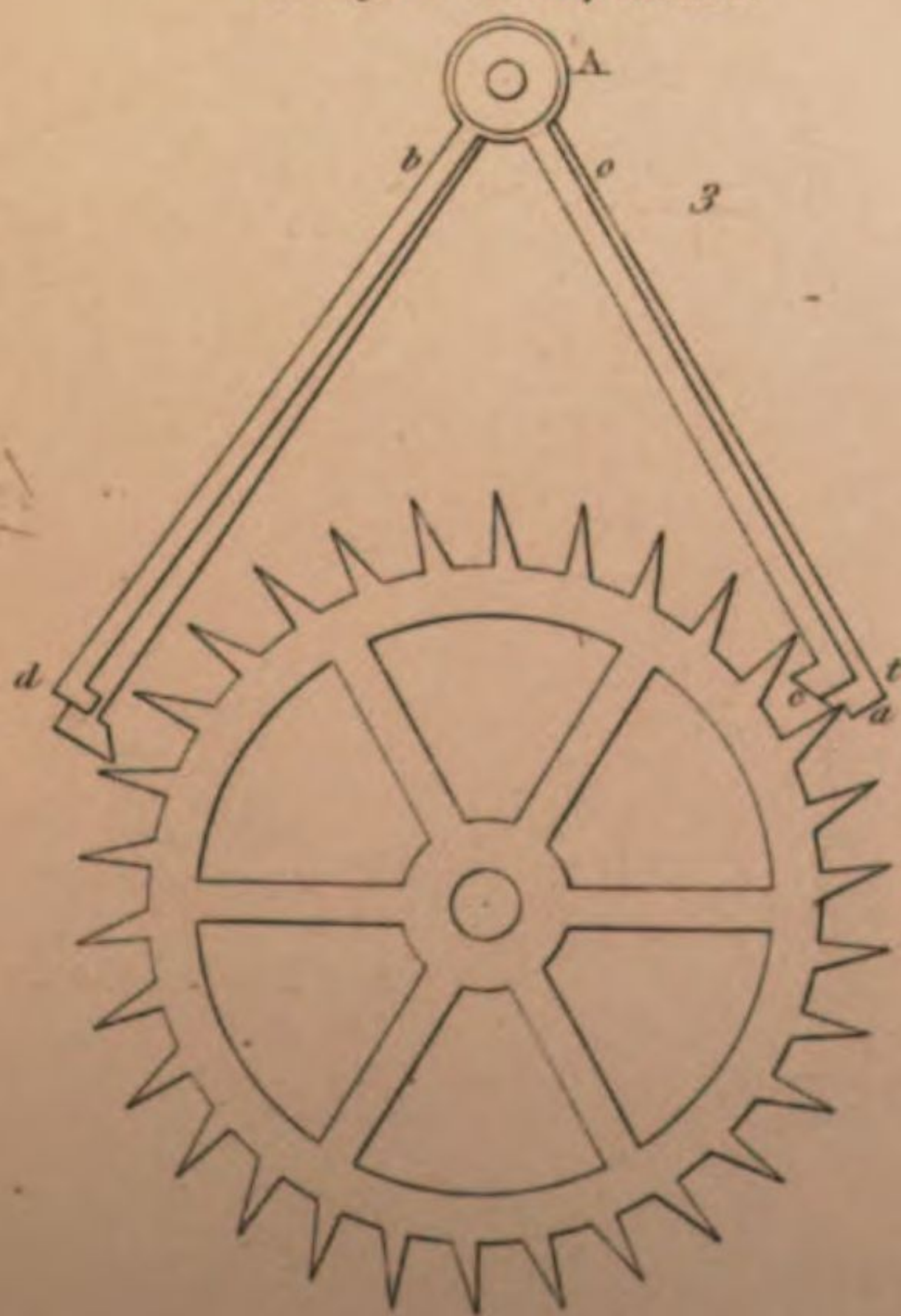
Fig. 1.
Anchor Escapement.



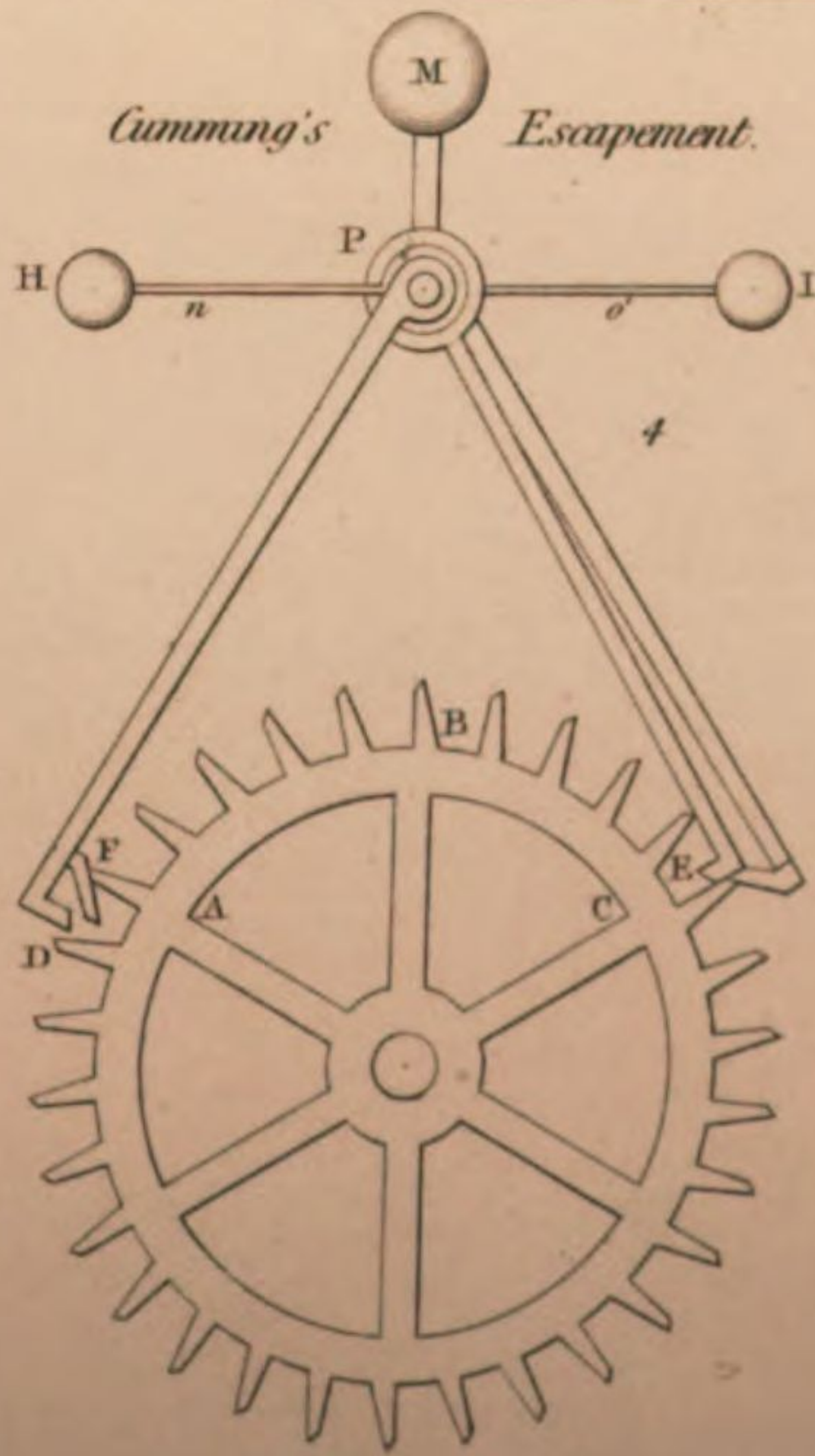
Graham's Dead beat.



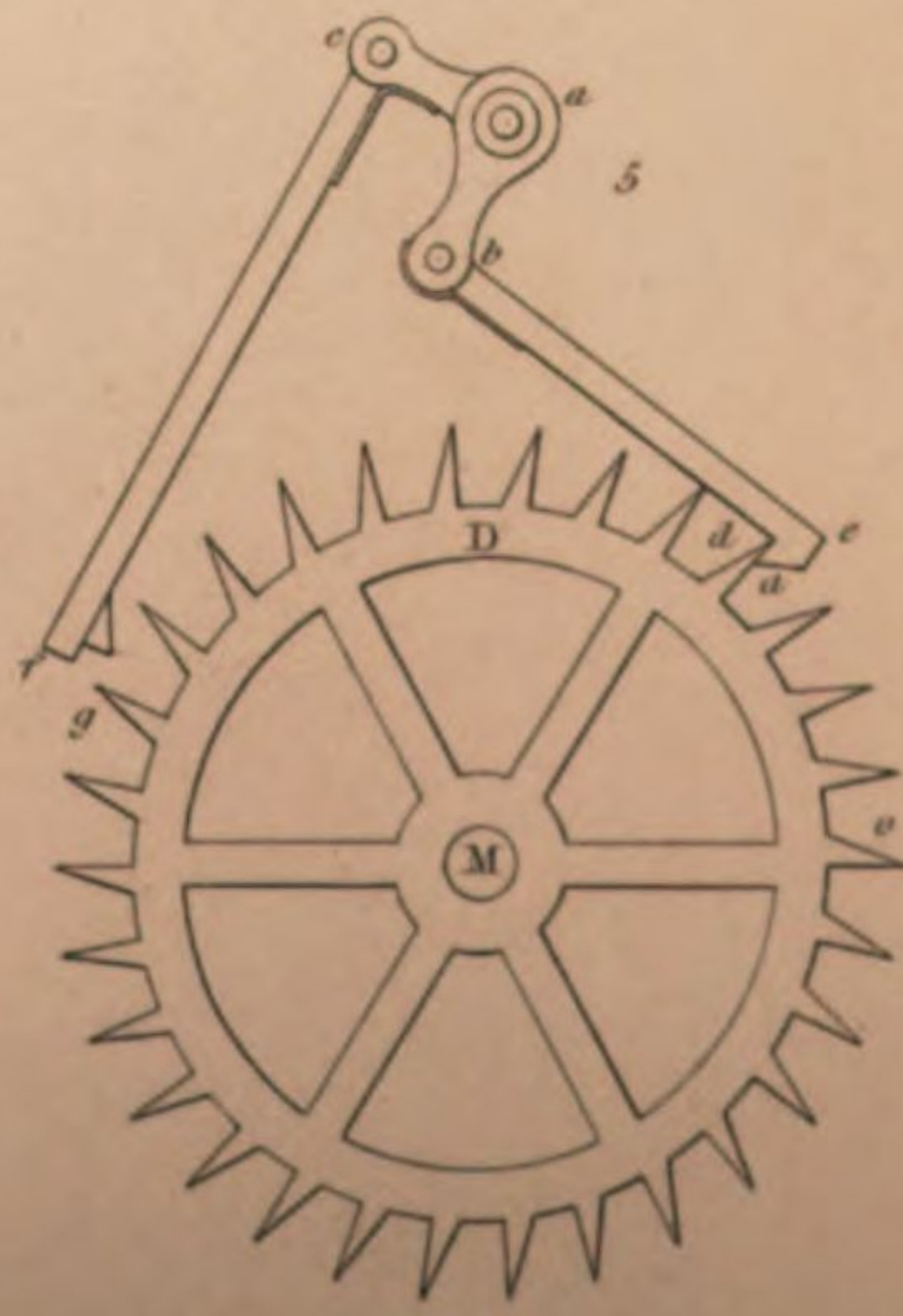
Mudge's Escapement.



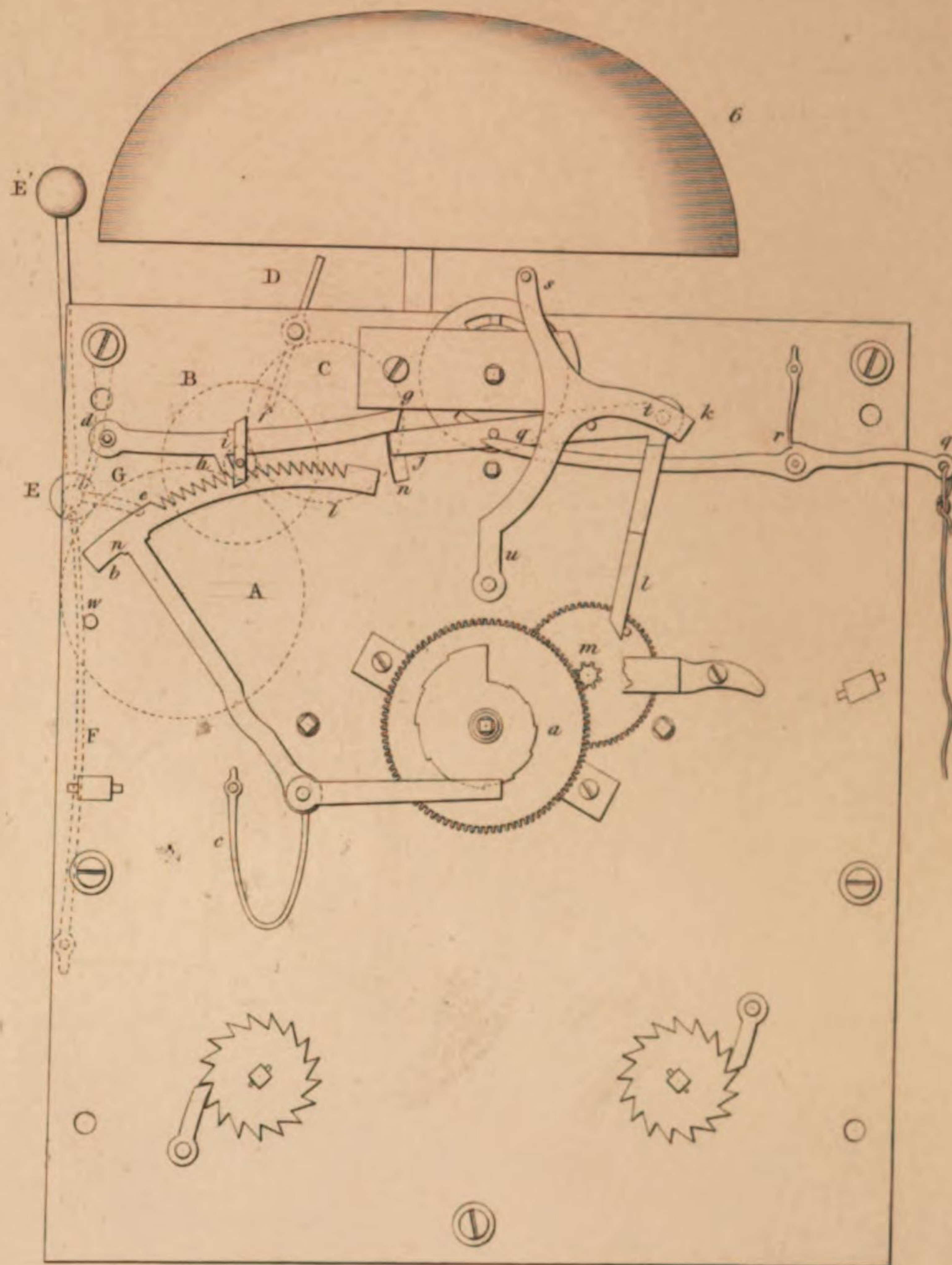
Cumming's Escapement.



Harrison's Escapement.



Striking part of a Clock.



1875
1876

1877
1878



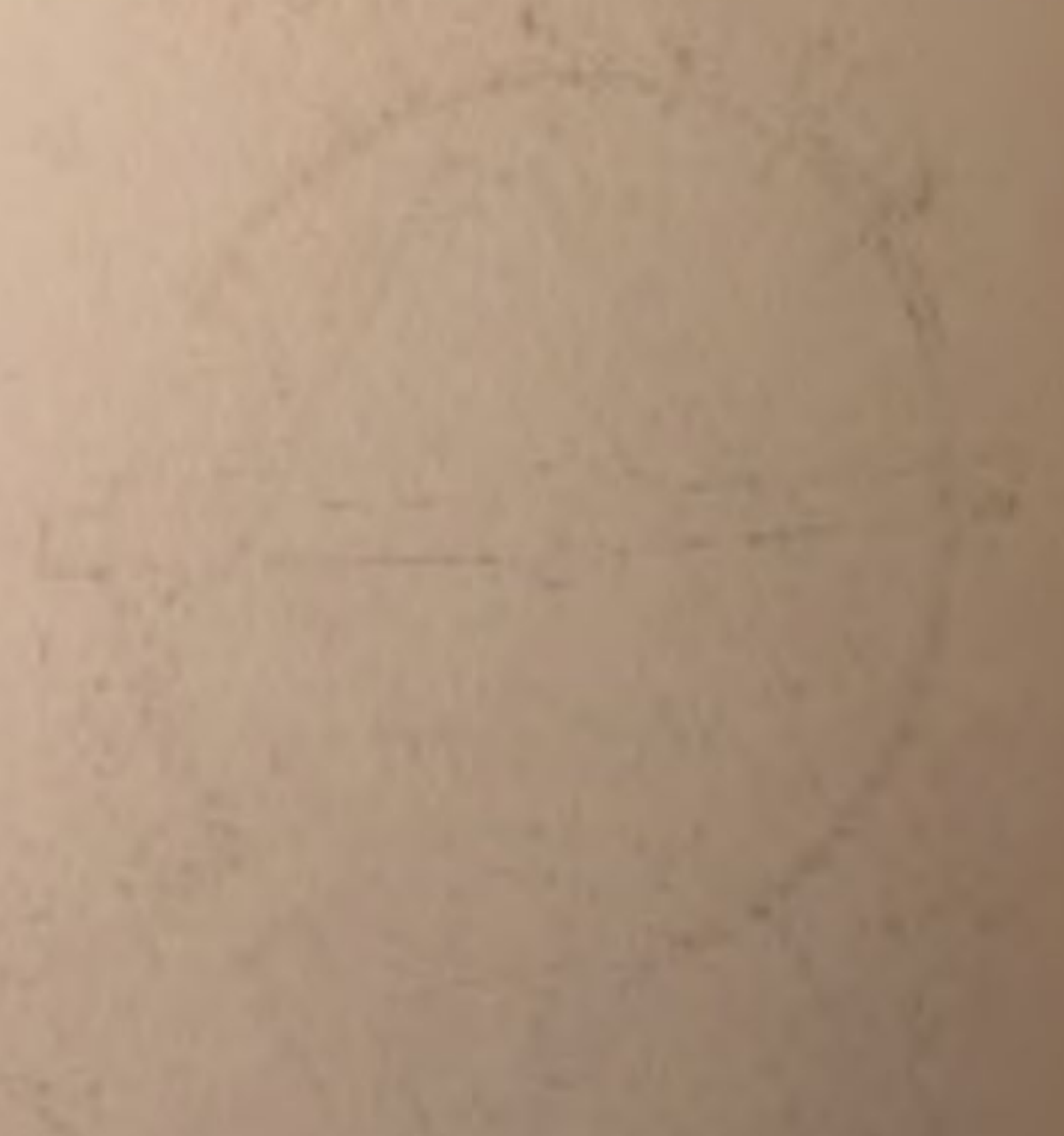
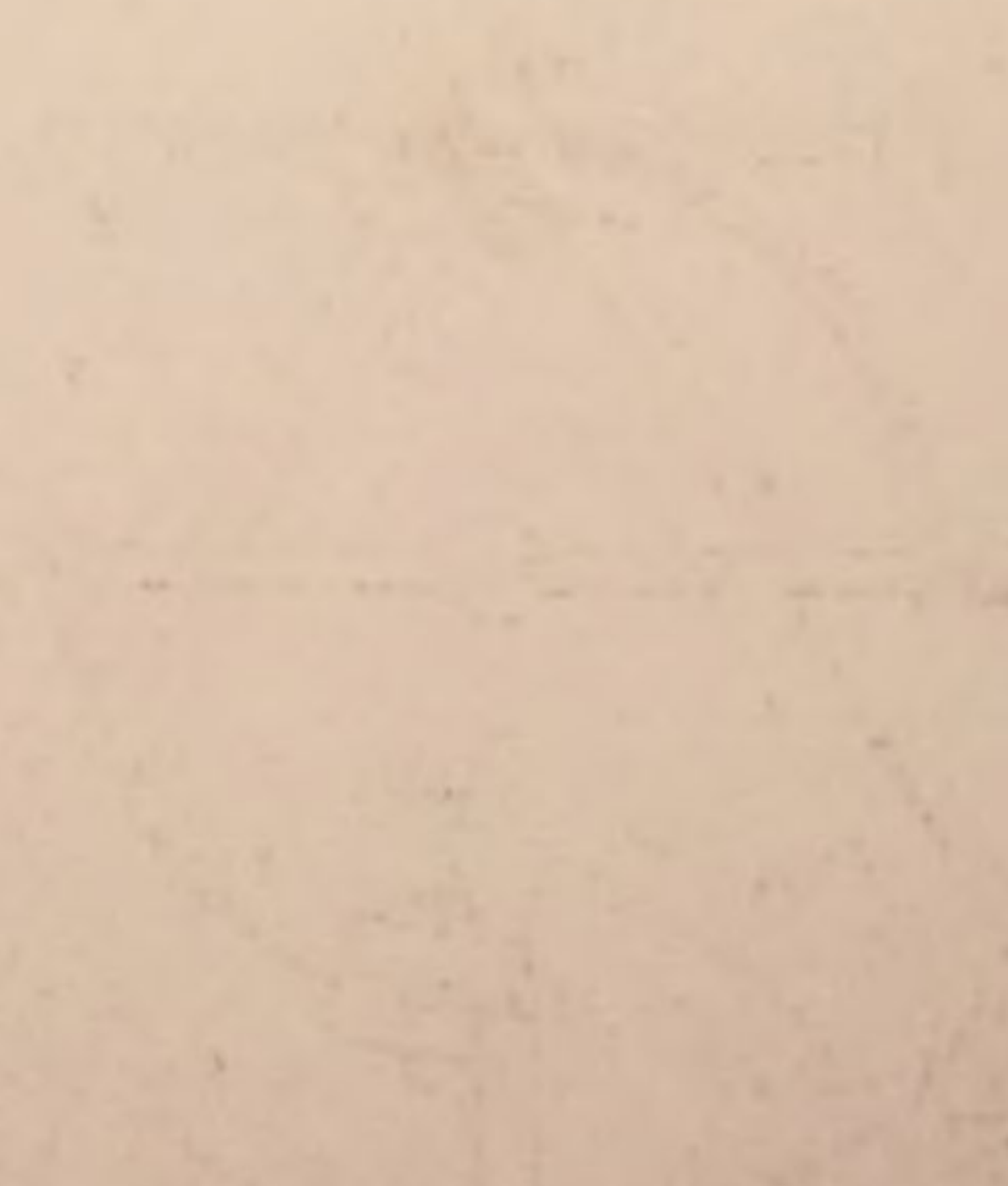
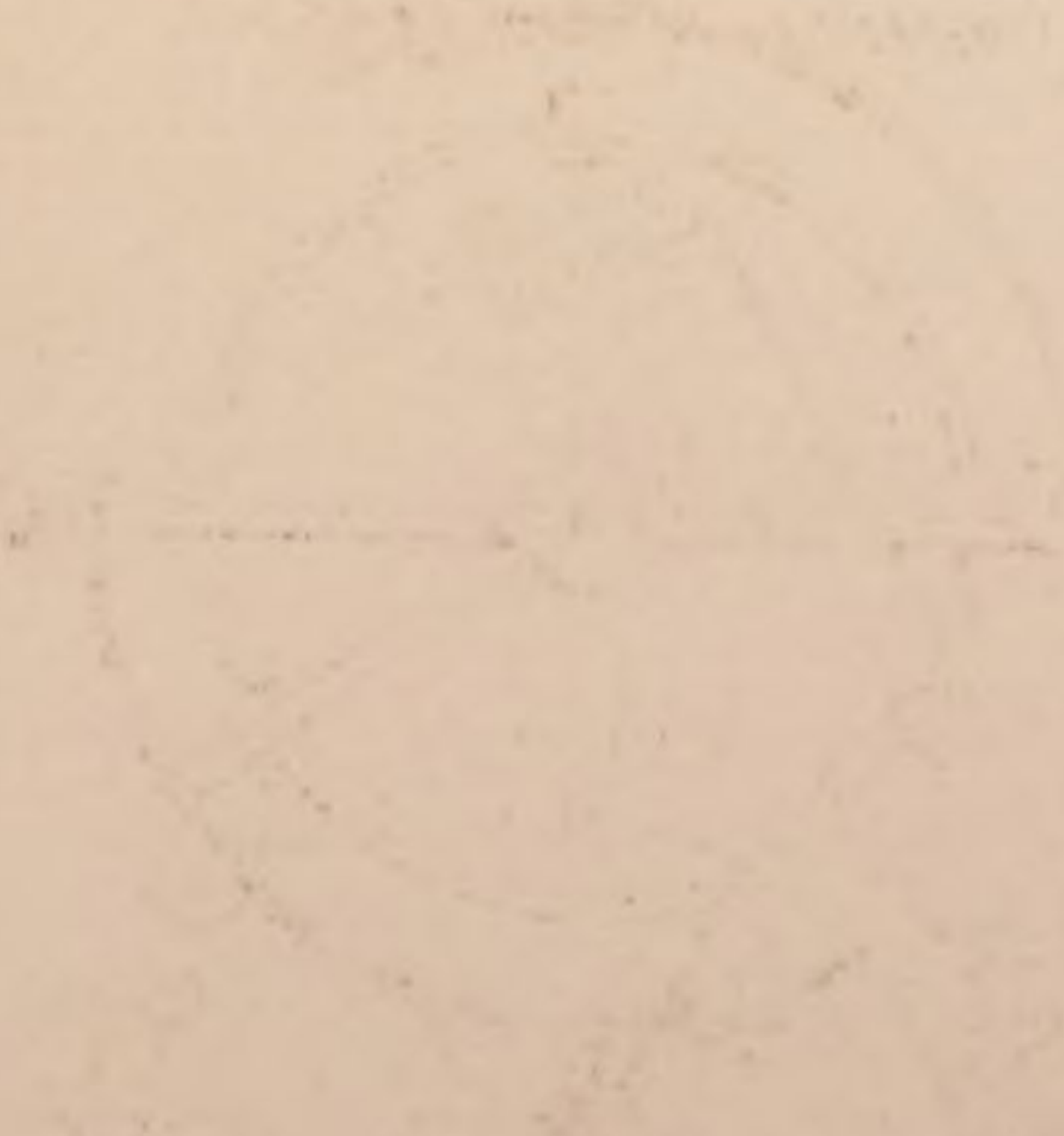
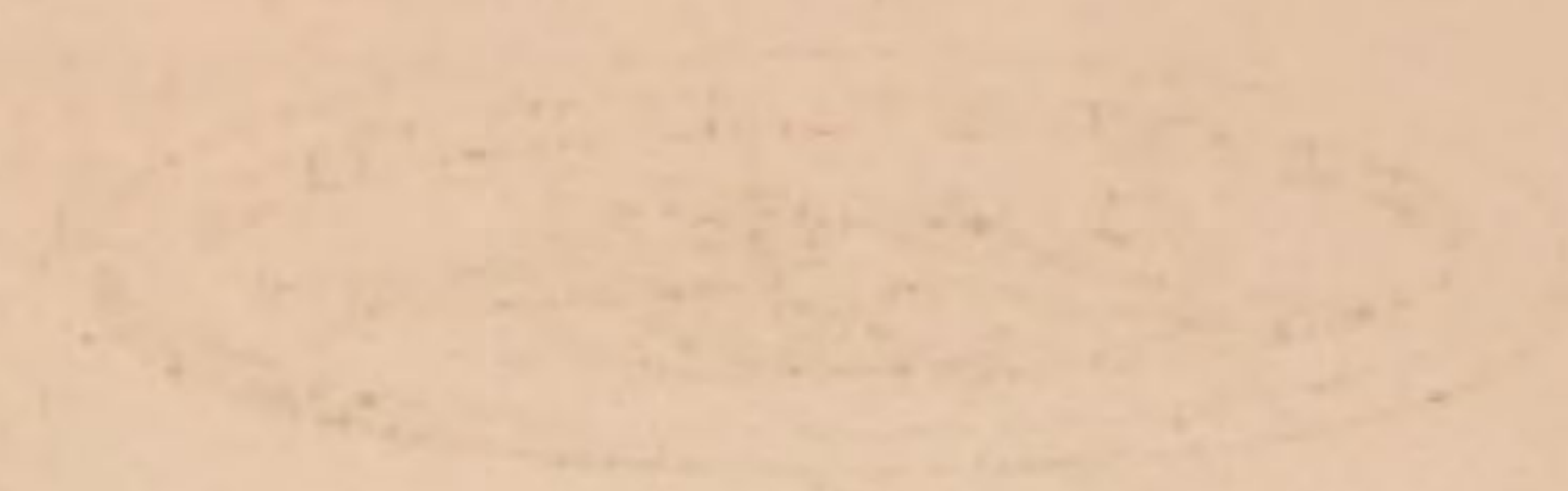
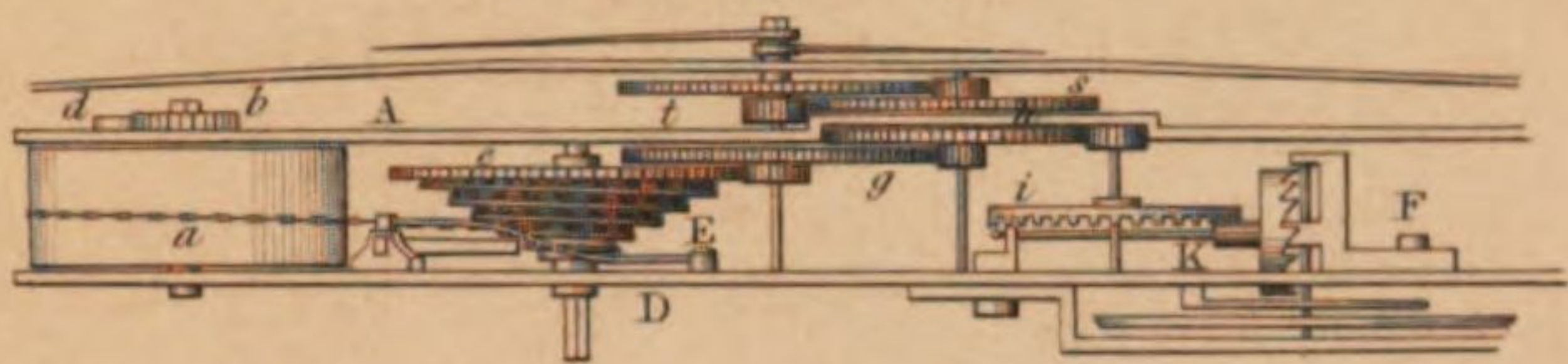
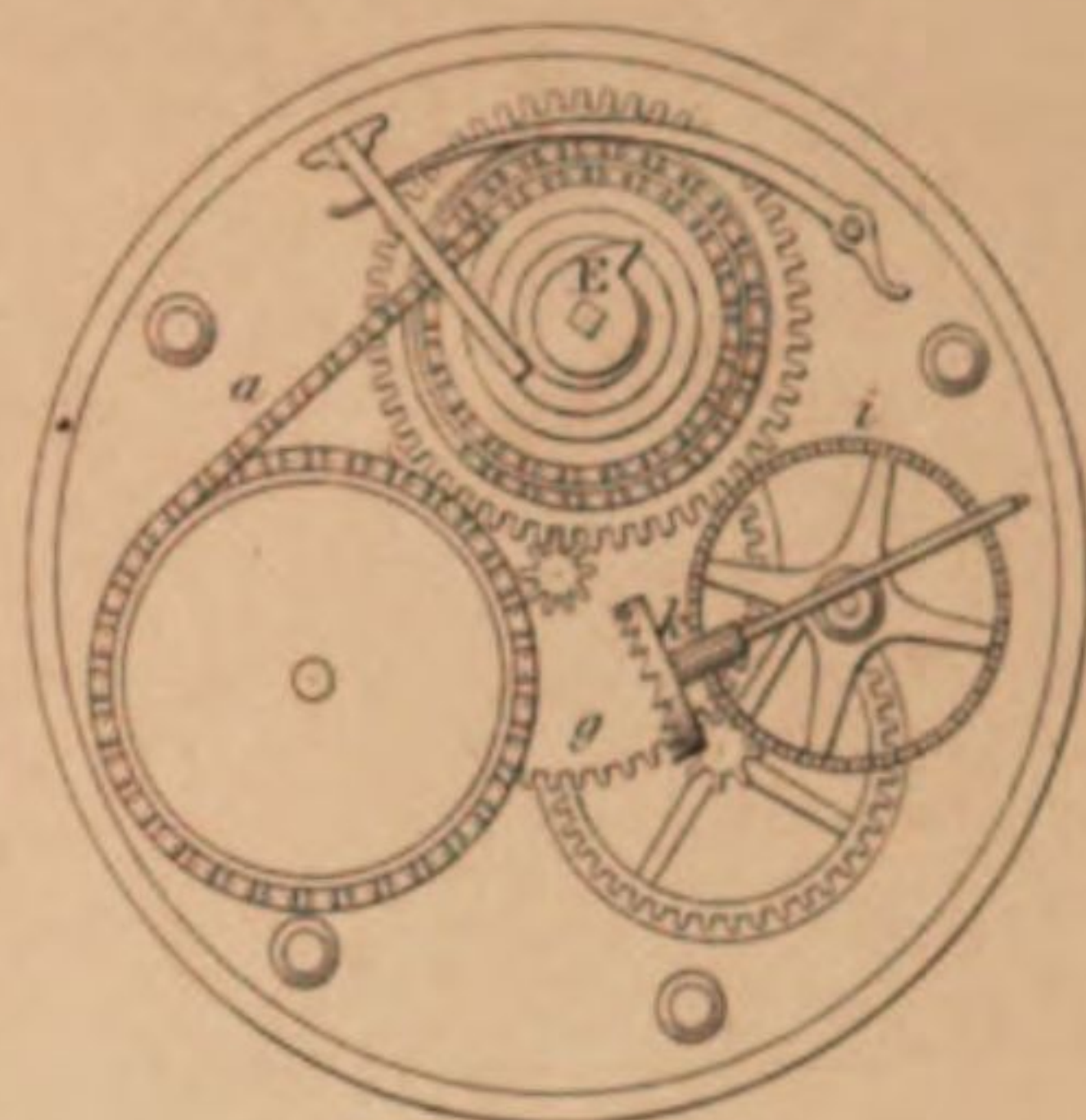


Fig. 1.

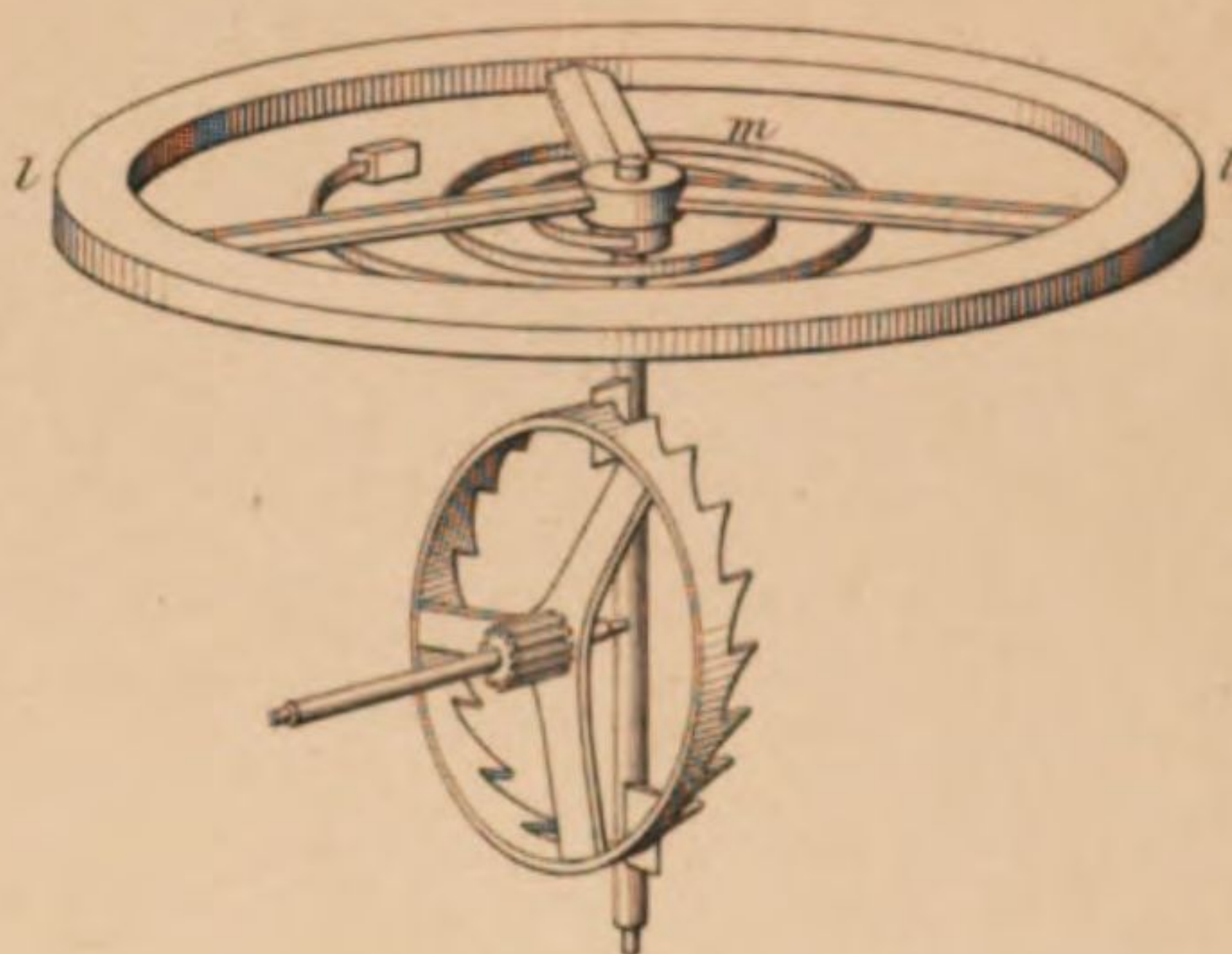
Common Watch, elevation.



Common Watch, plan.

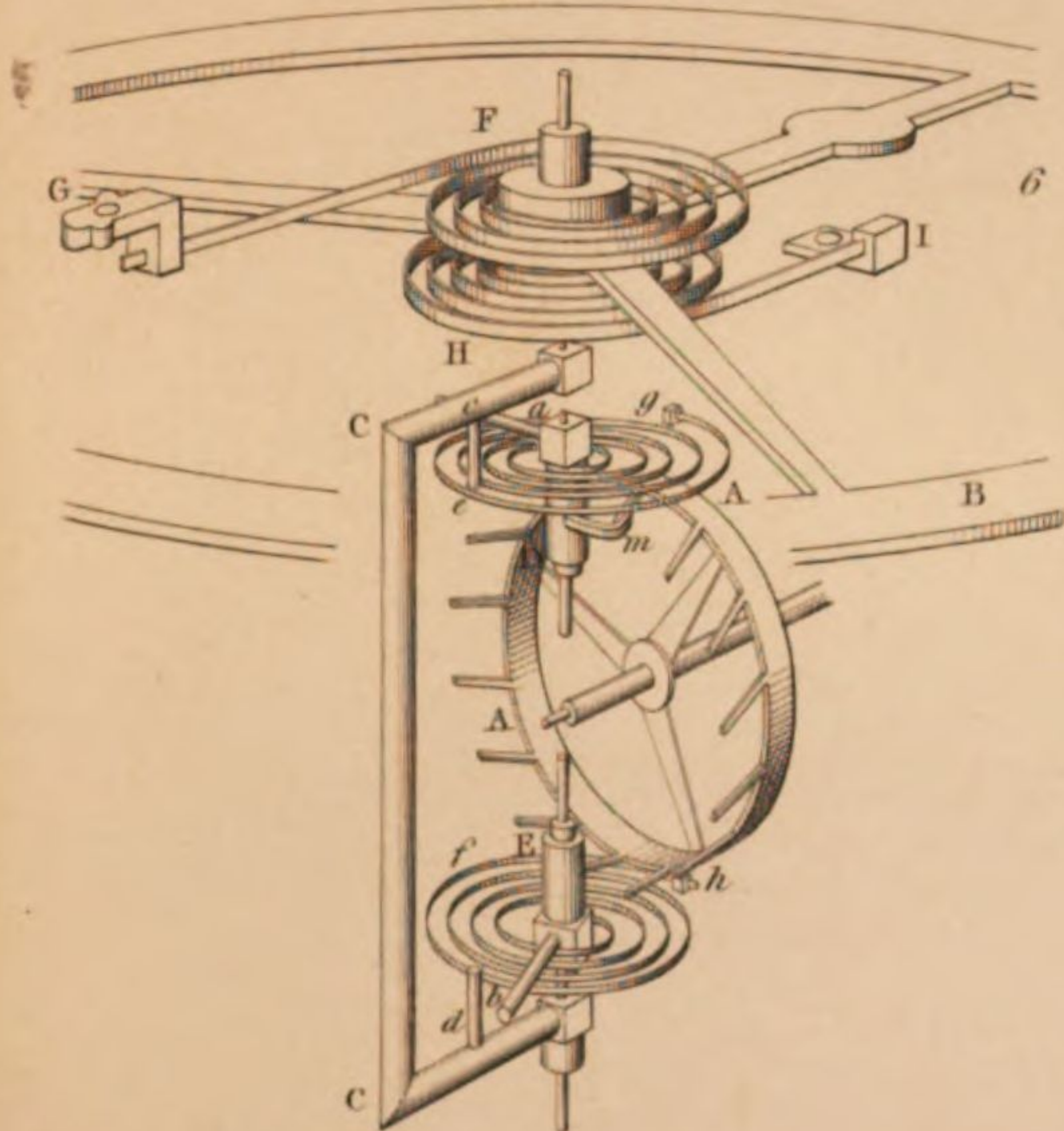


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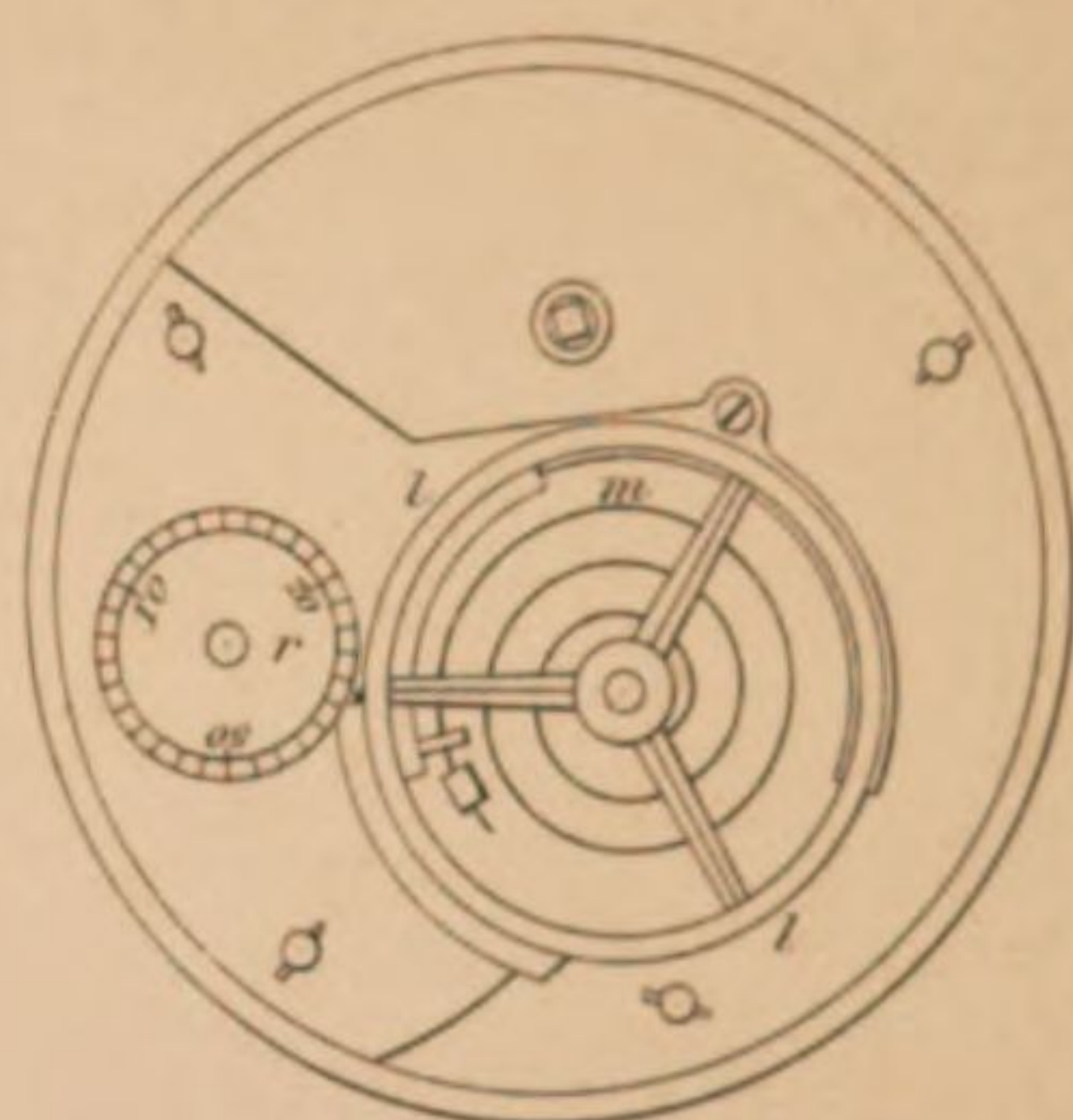


Mudge's Escapement.

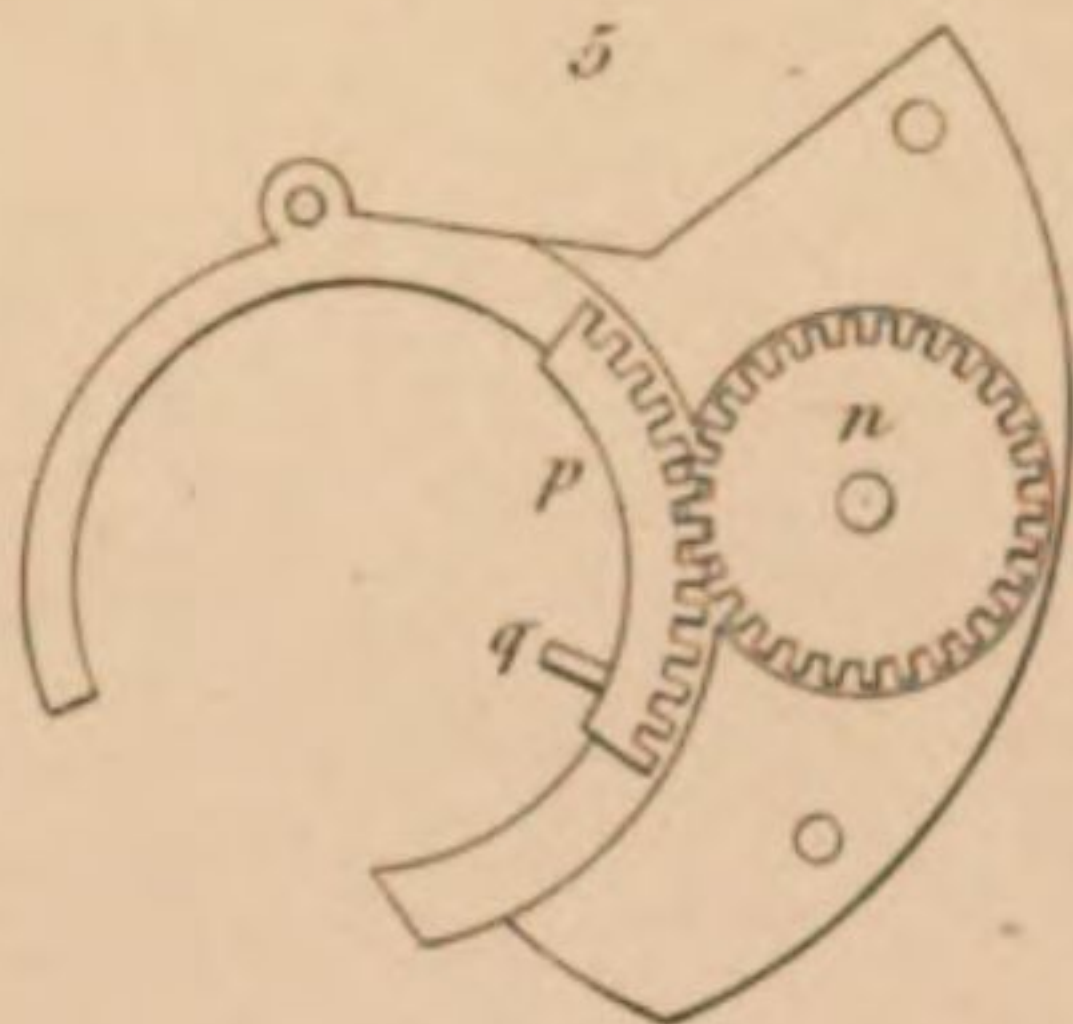
B



3

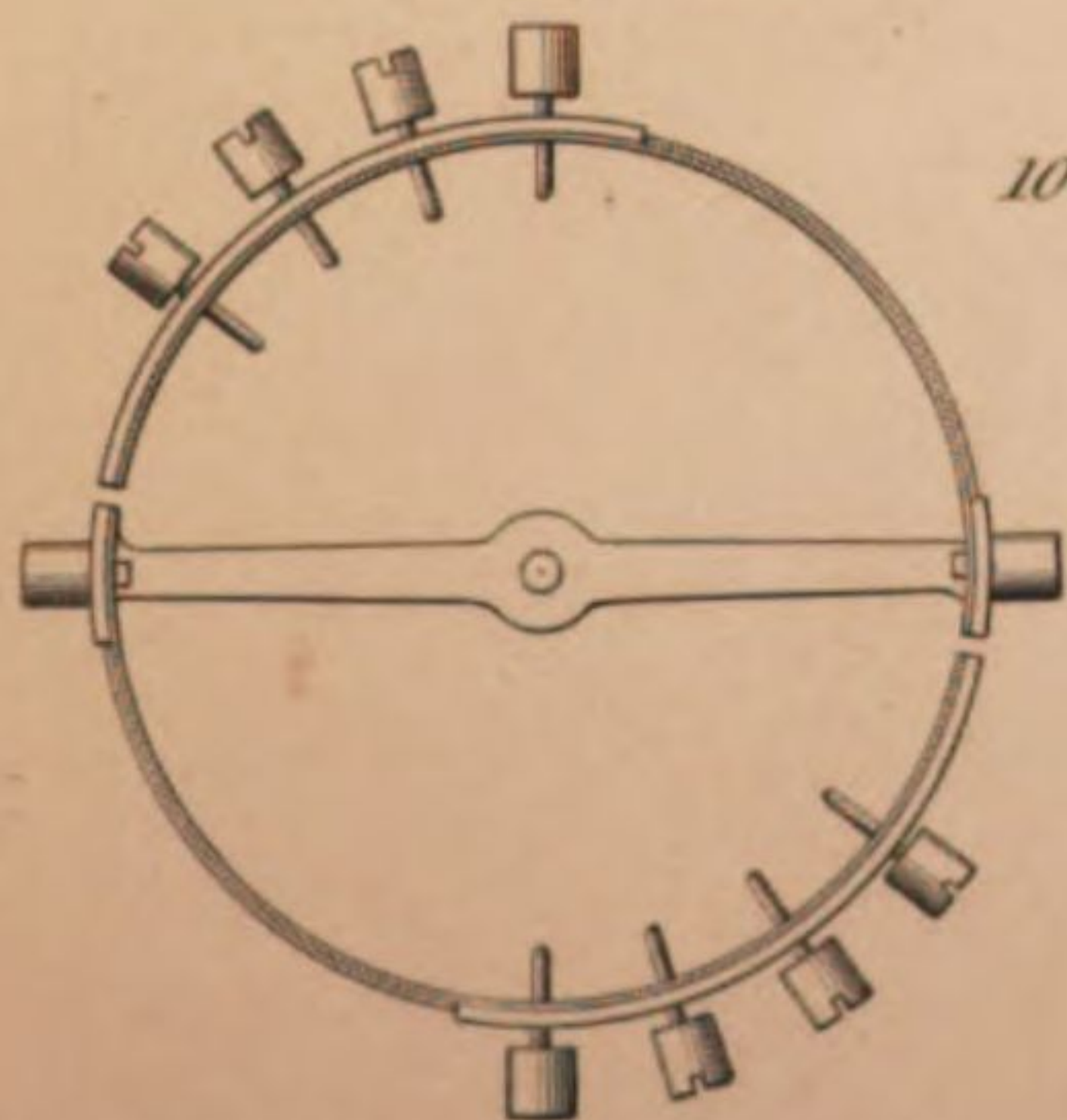


5



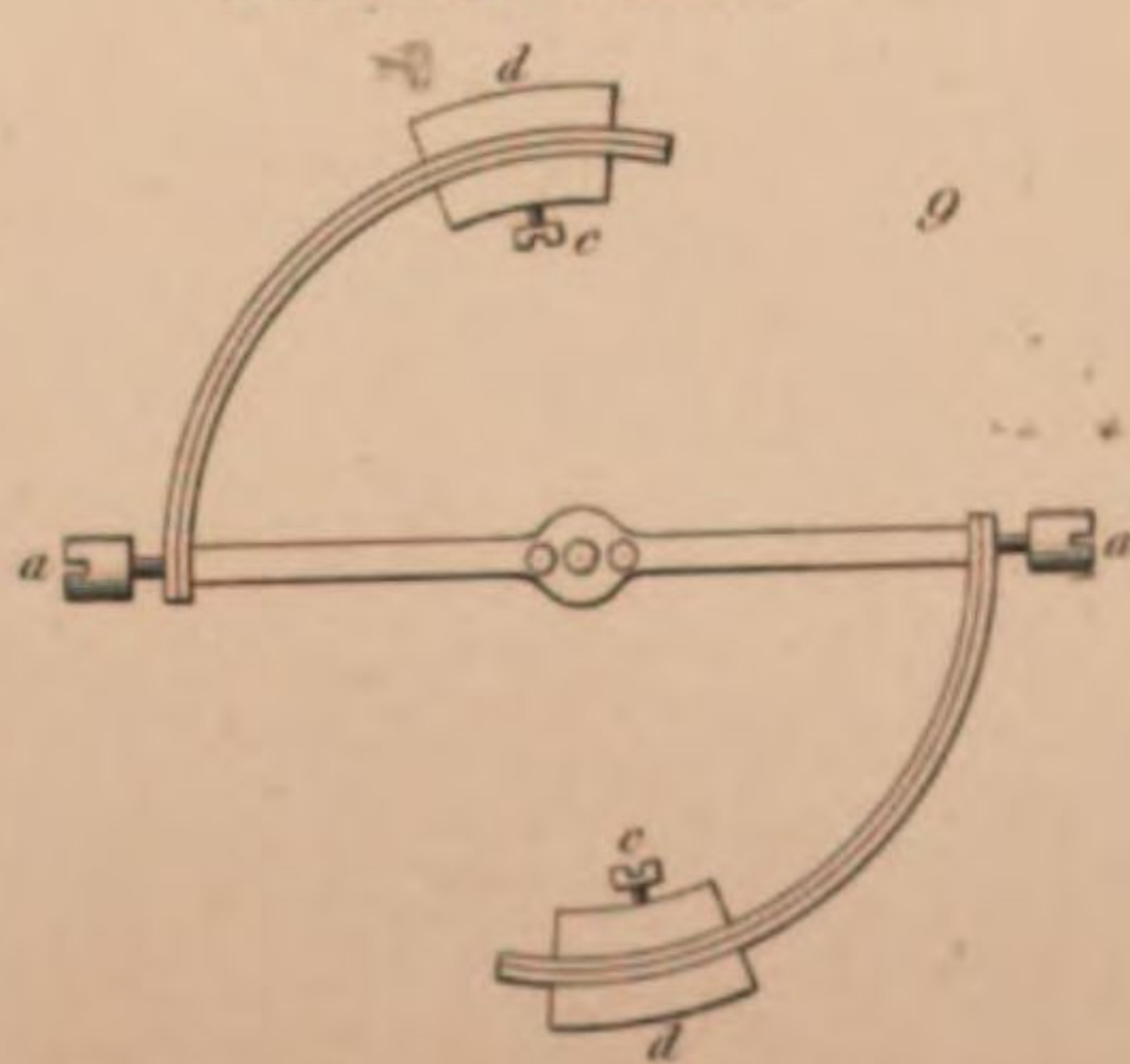
Modern balance.

10



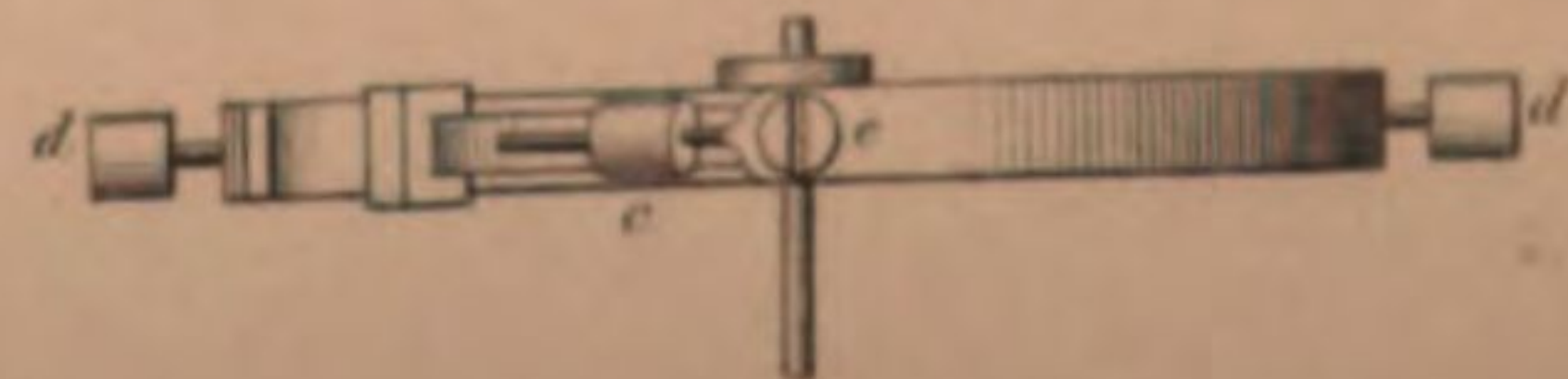
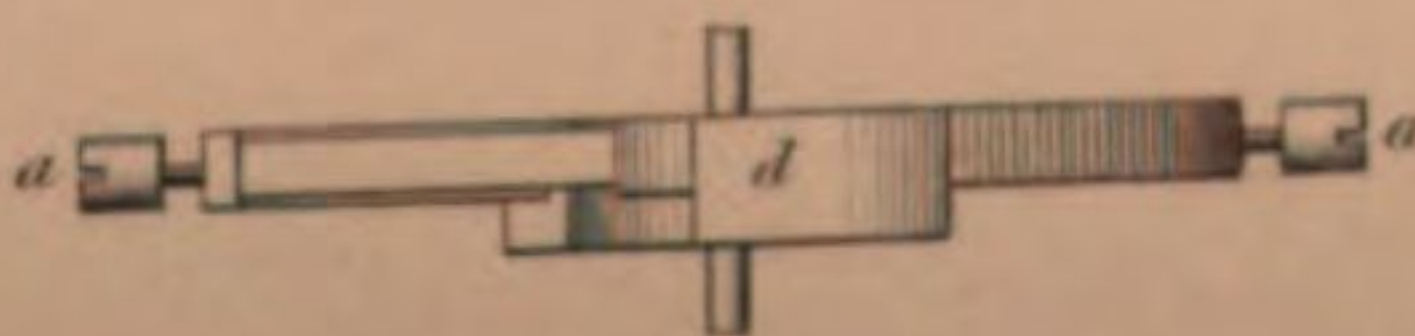
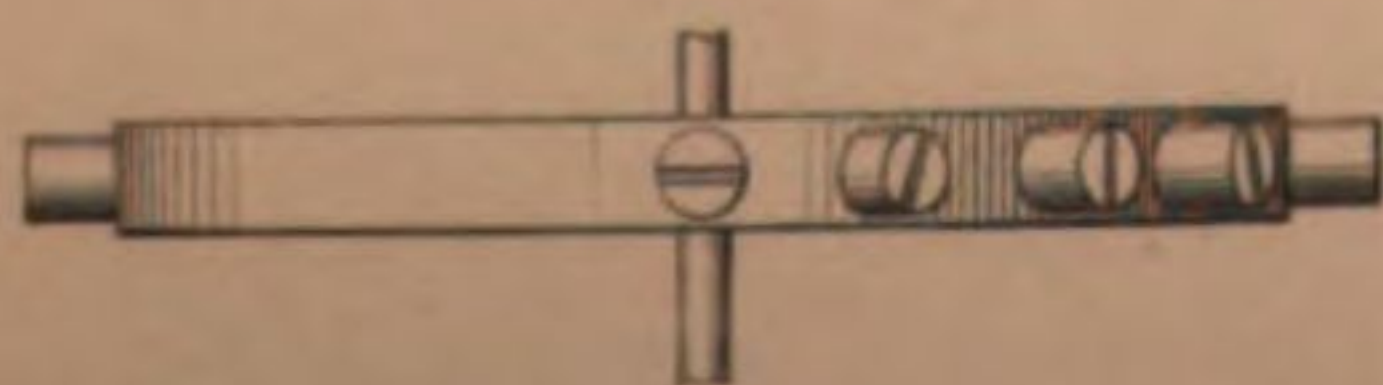
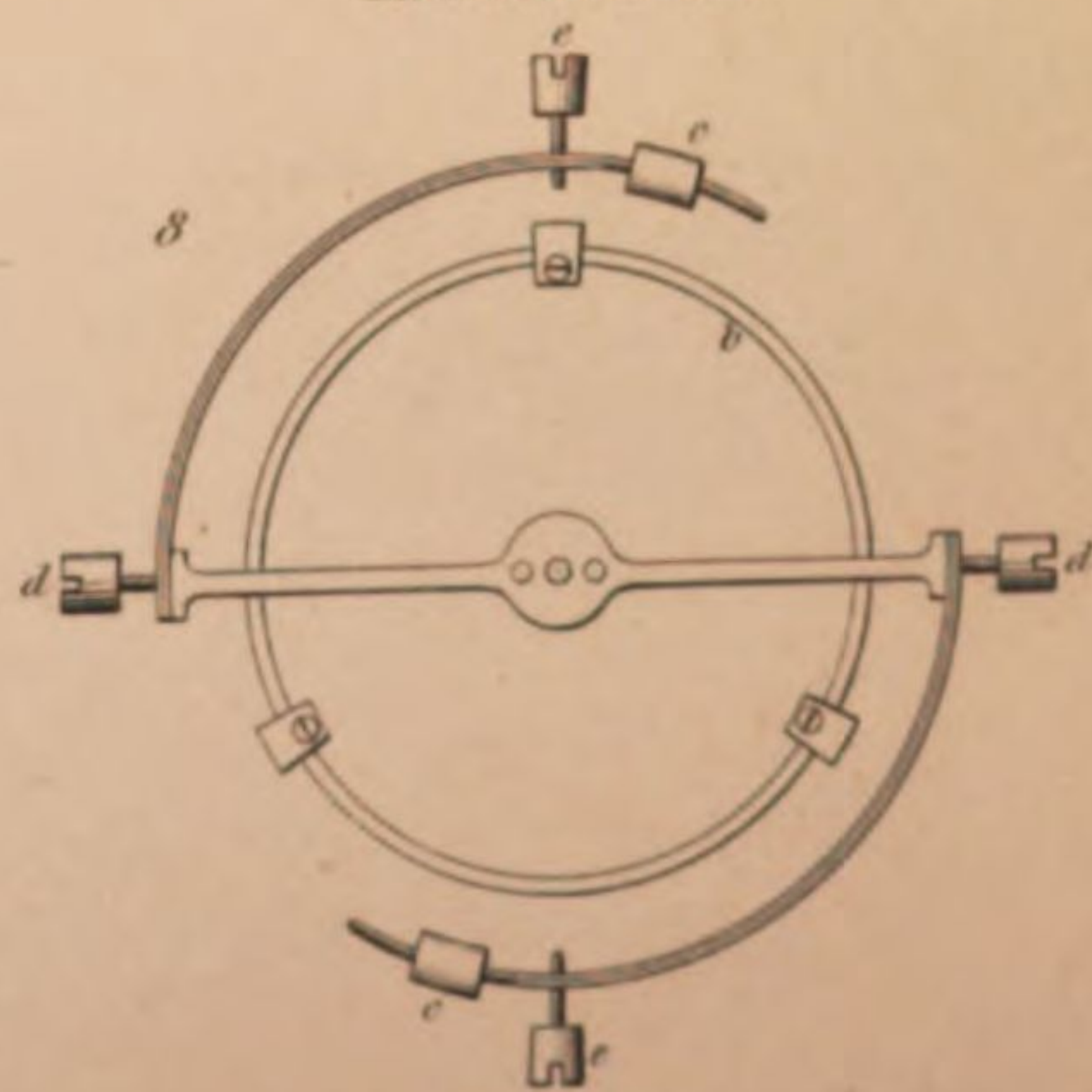
Earnshaw's balance.

9



Arnold's balance.

8



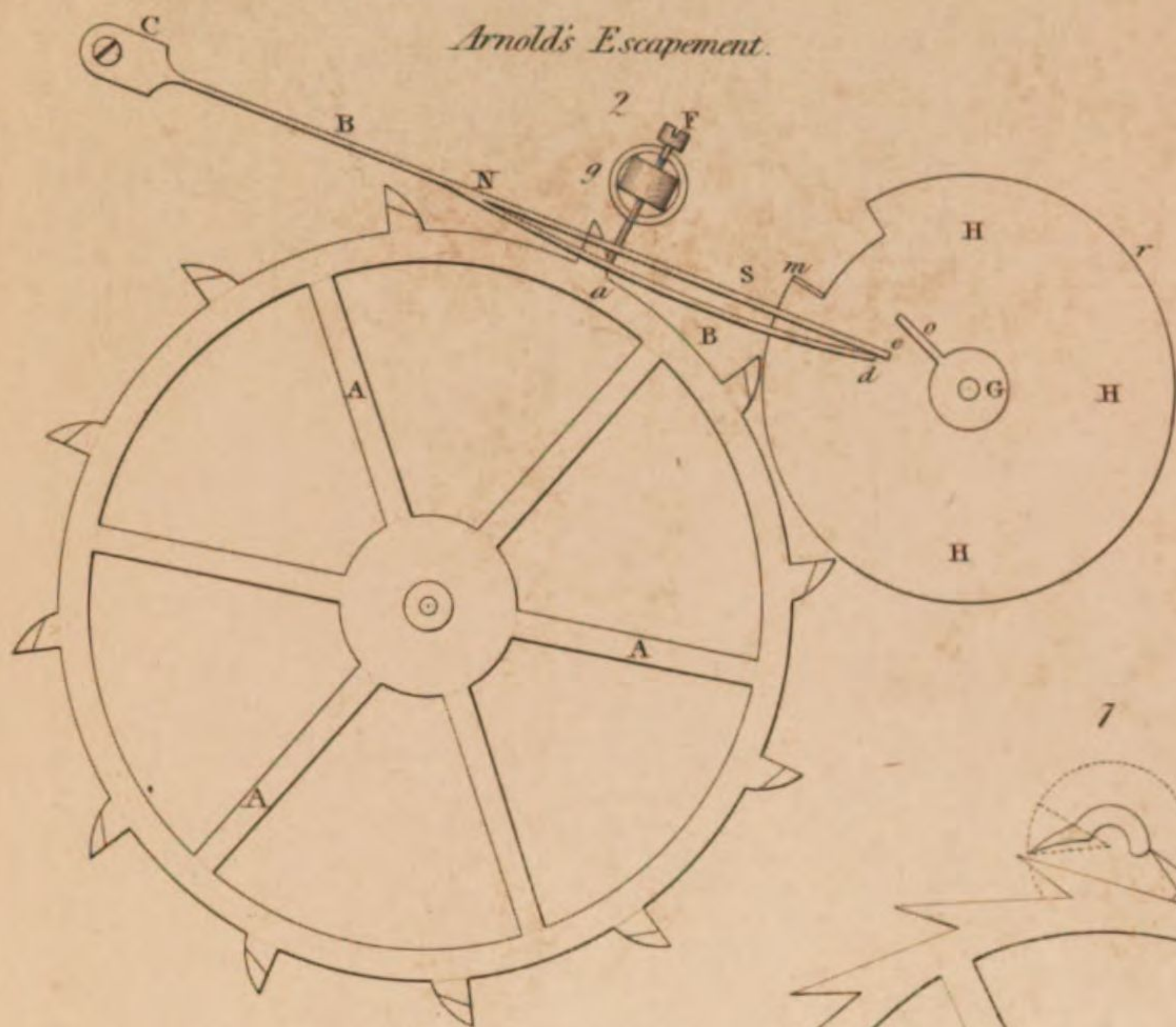
MANUFACTURES.

MECHANICAL PROCESSES.

Watch making.

PLATE LXIV.

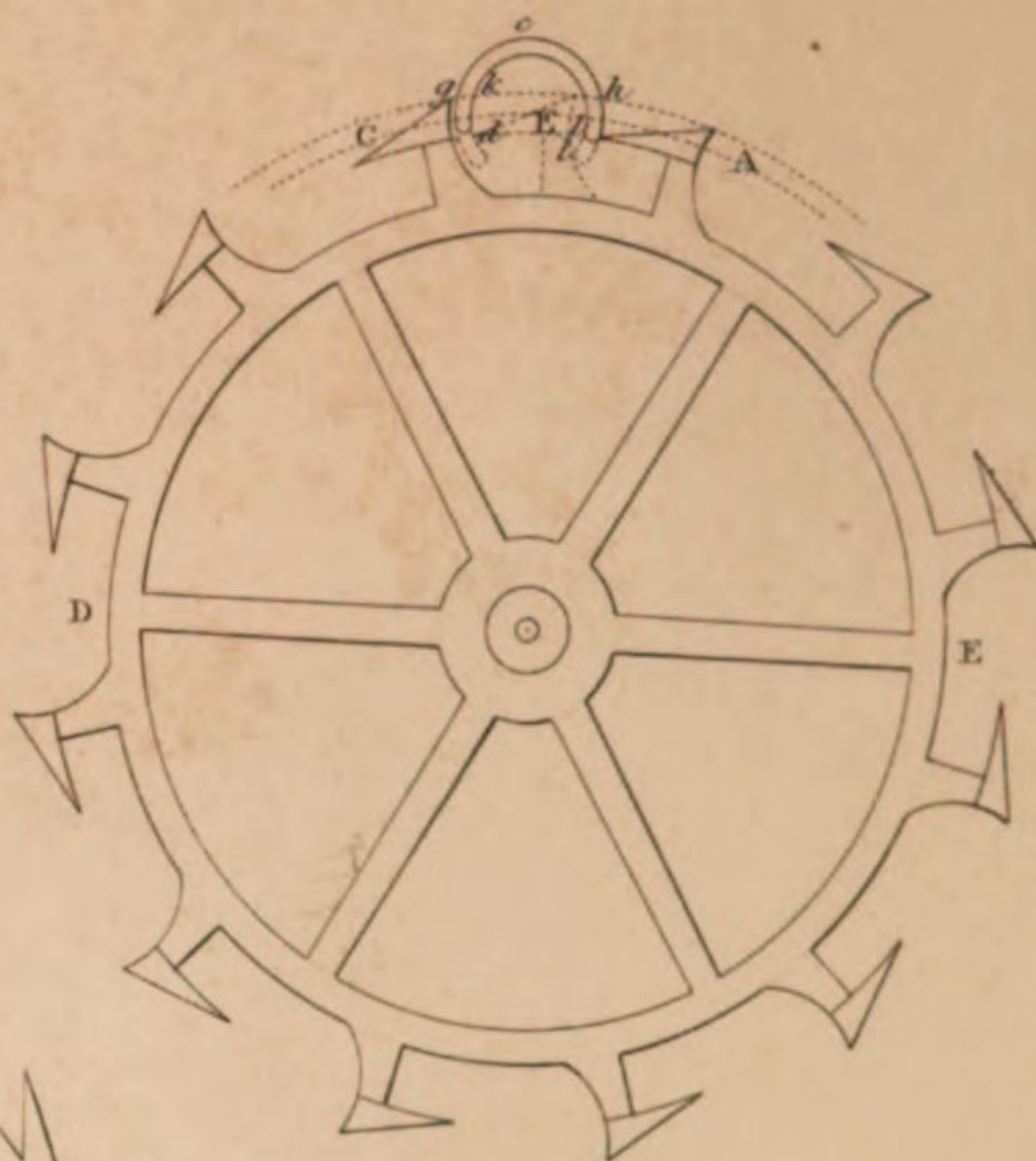
Arnold's Escapement.



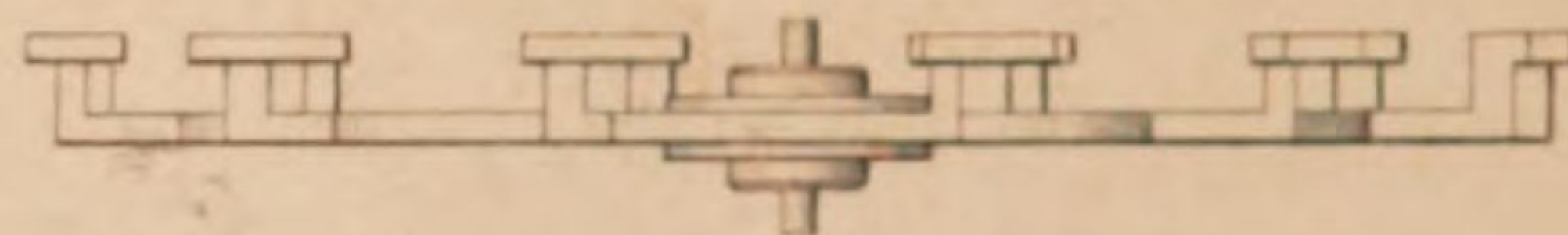
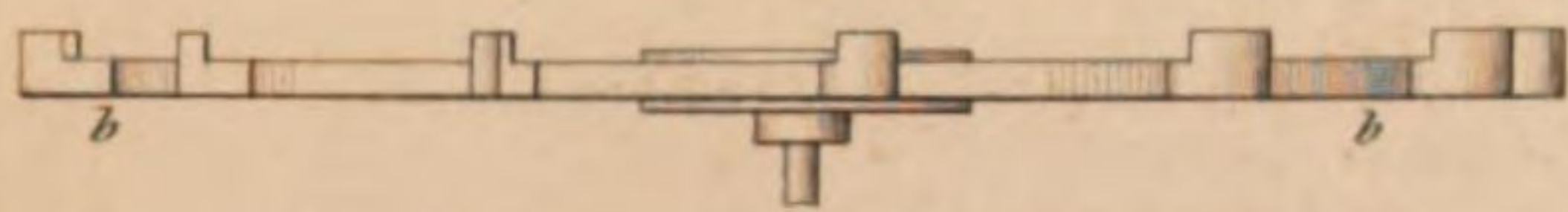
5

Graham's Escapement.

Fig. 1.

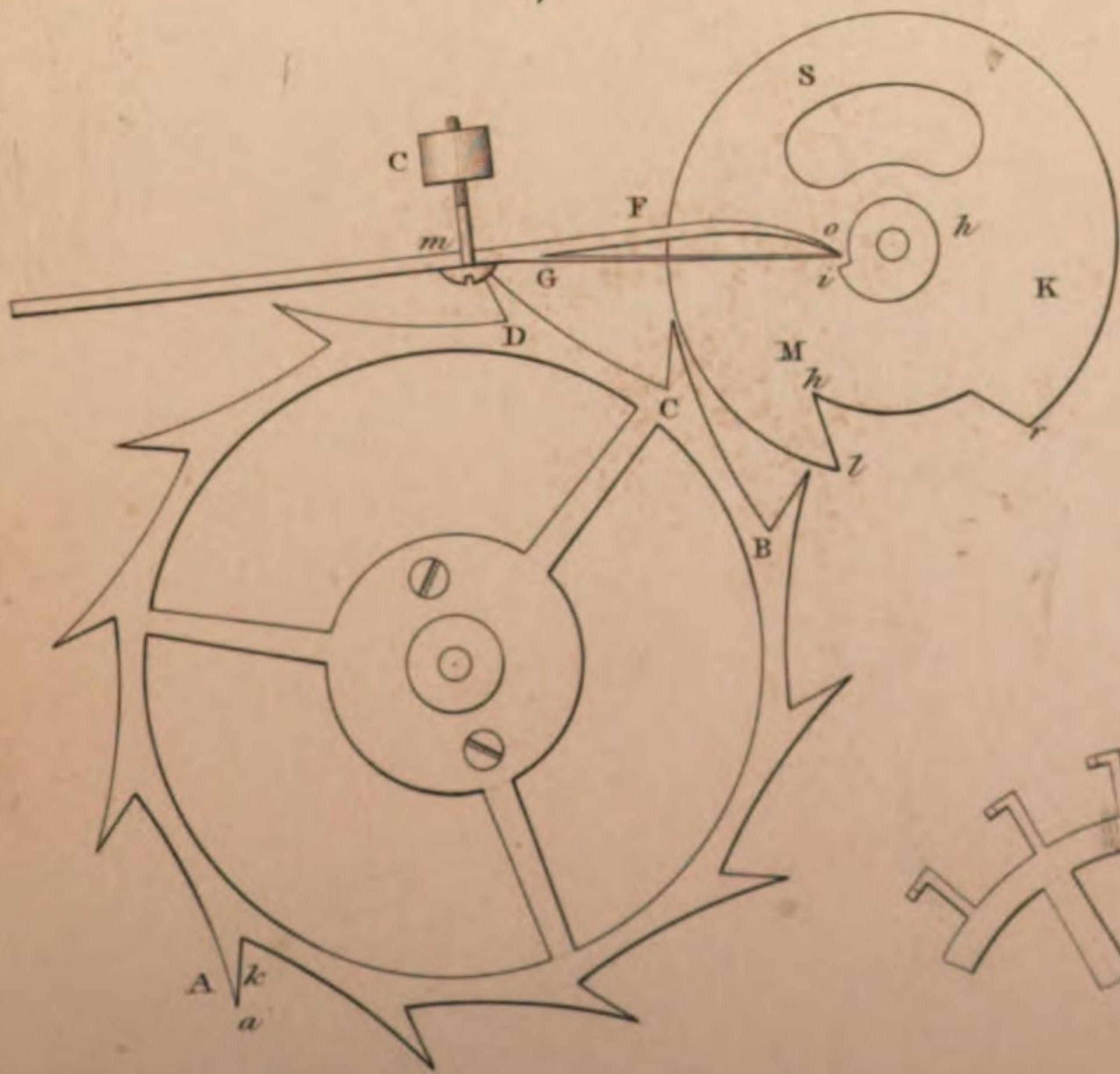


6



Earnshaw's Escapement.

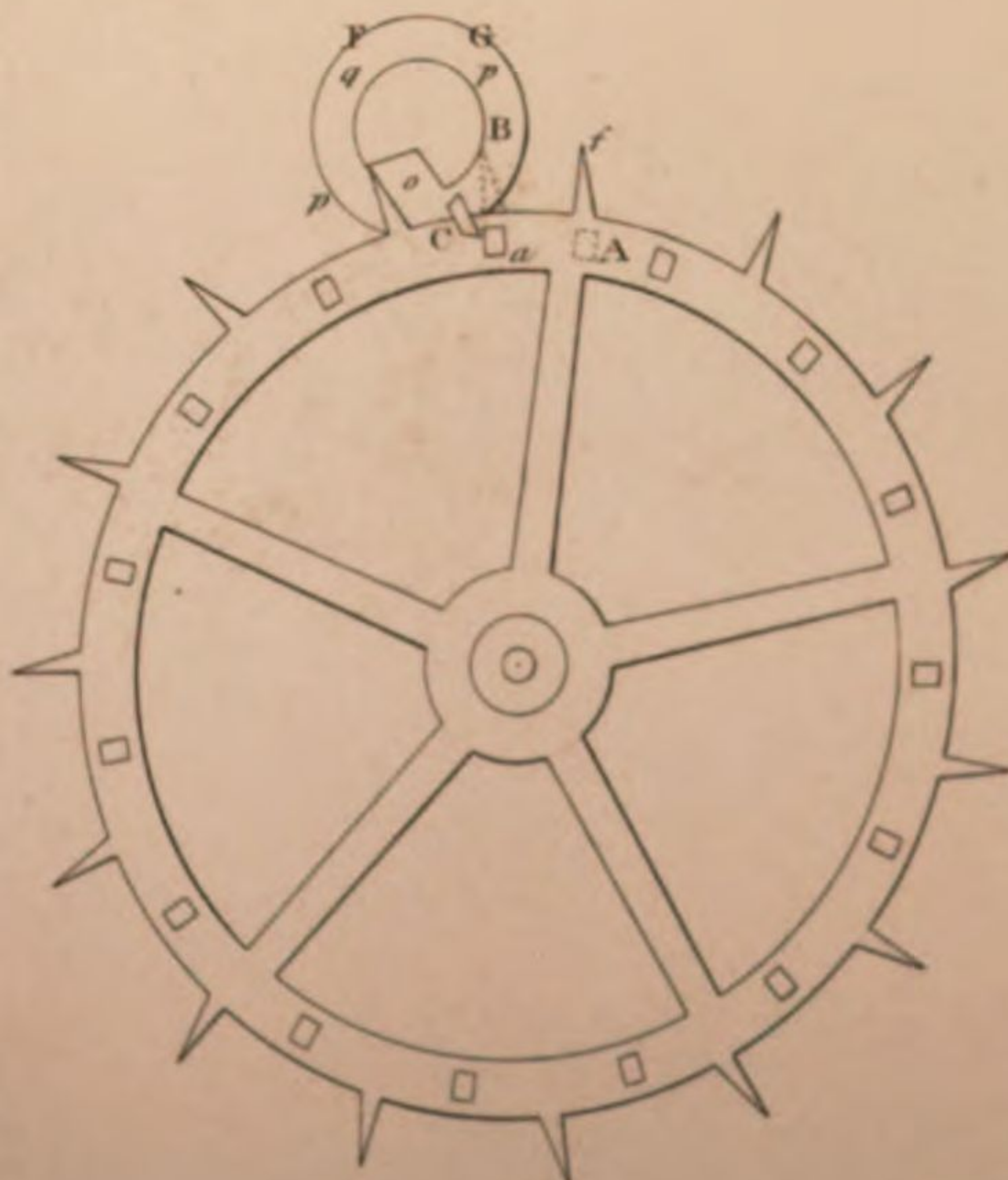
4



8

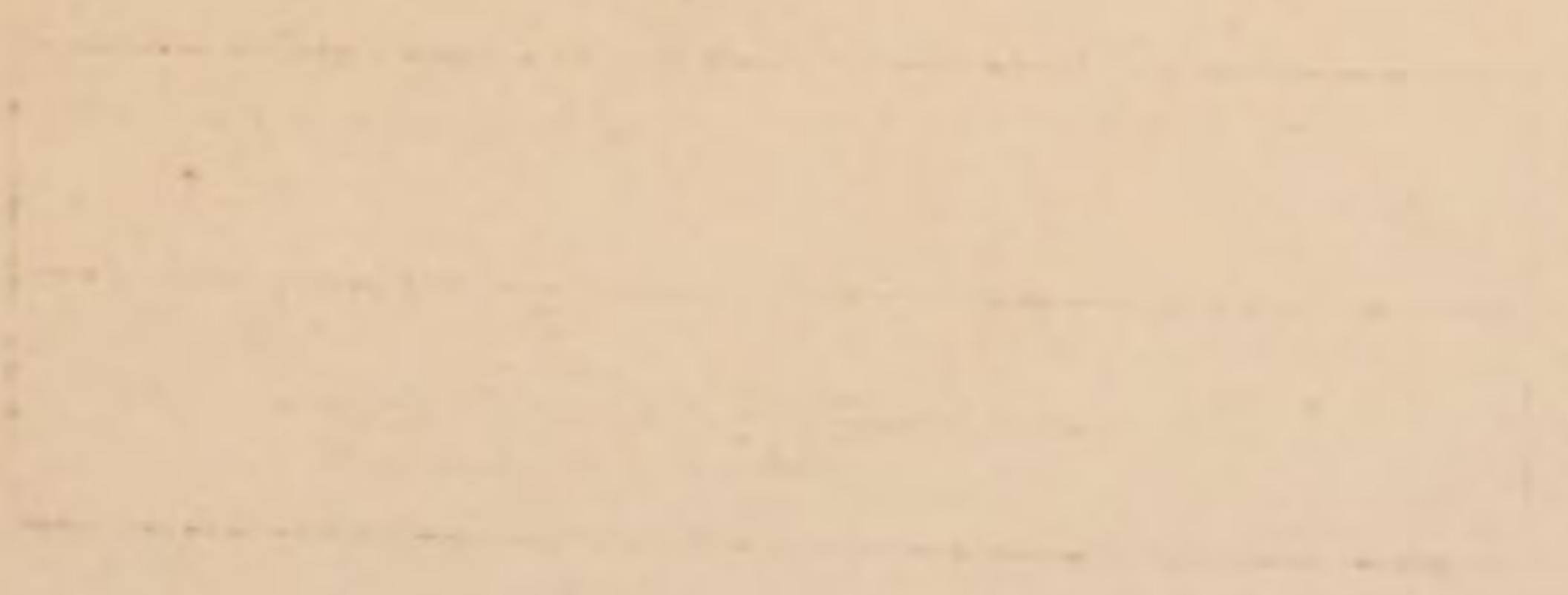
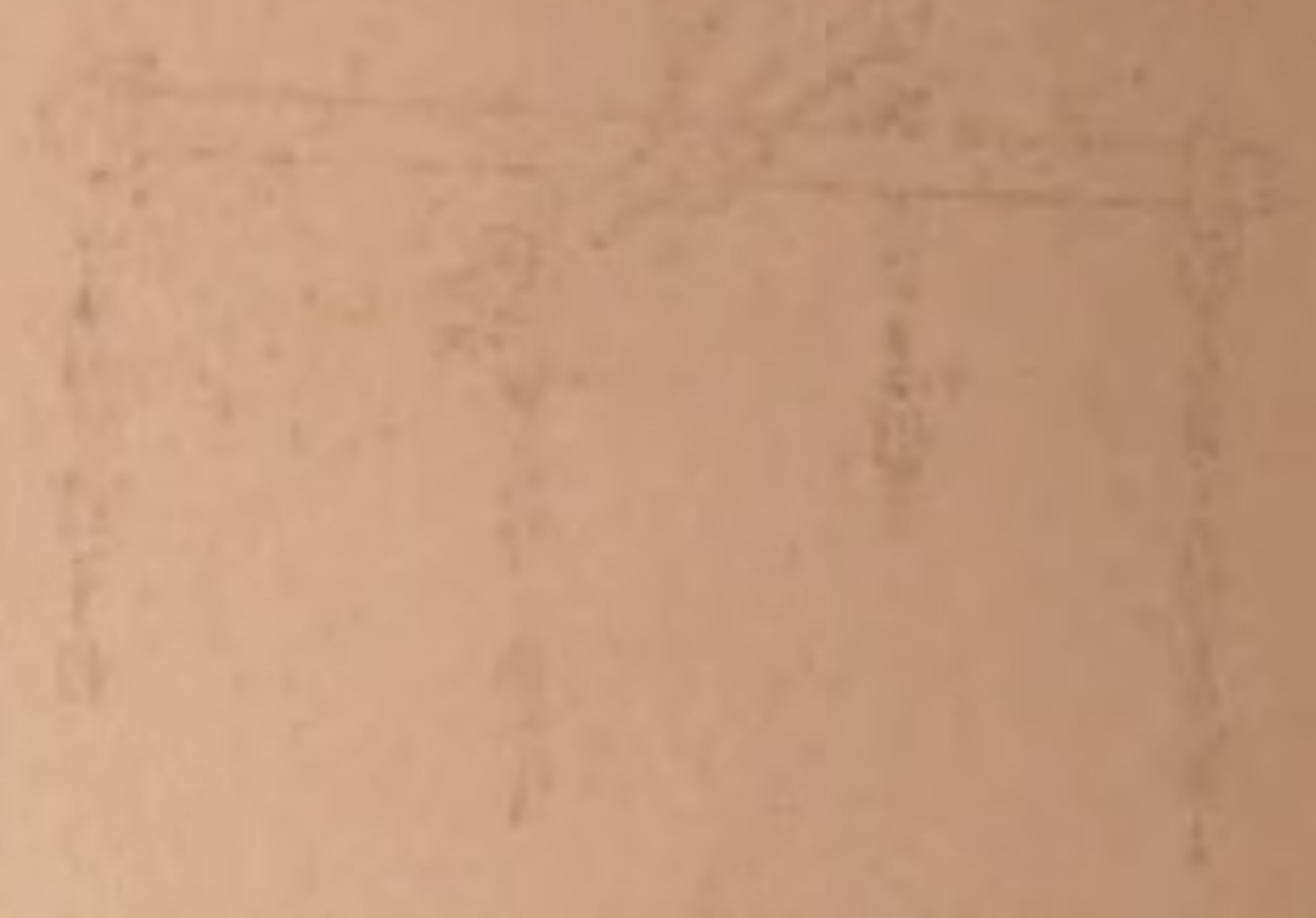
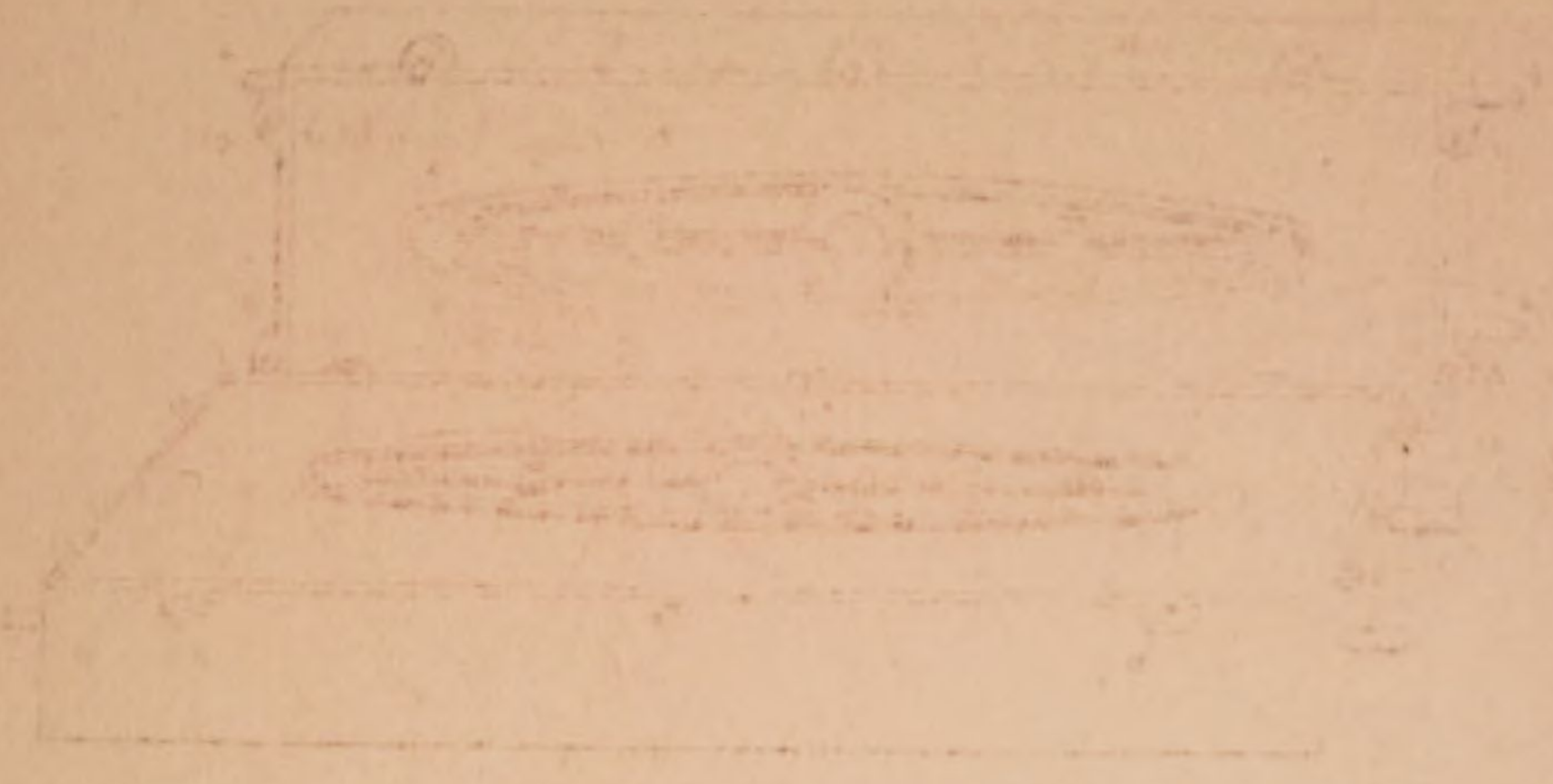
Duplex Escapement.

3

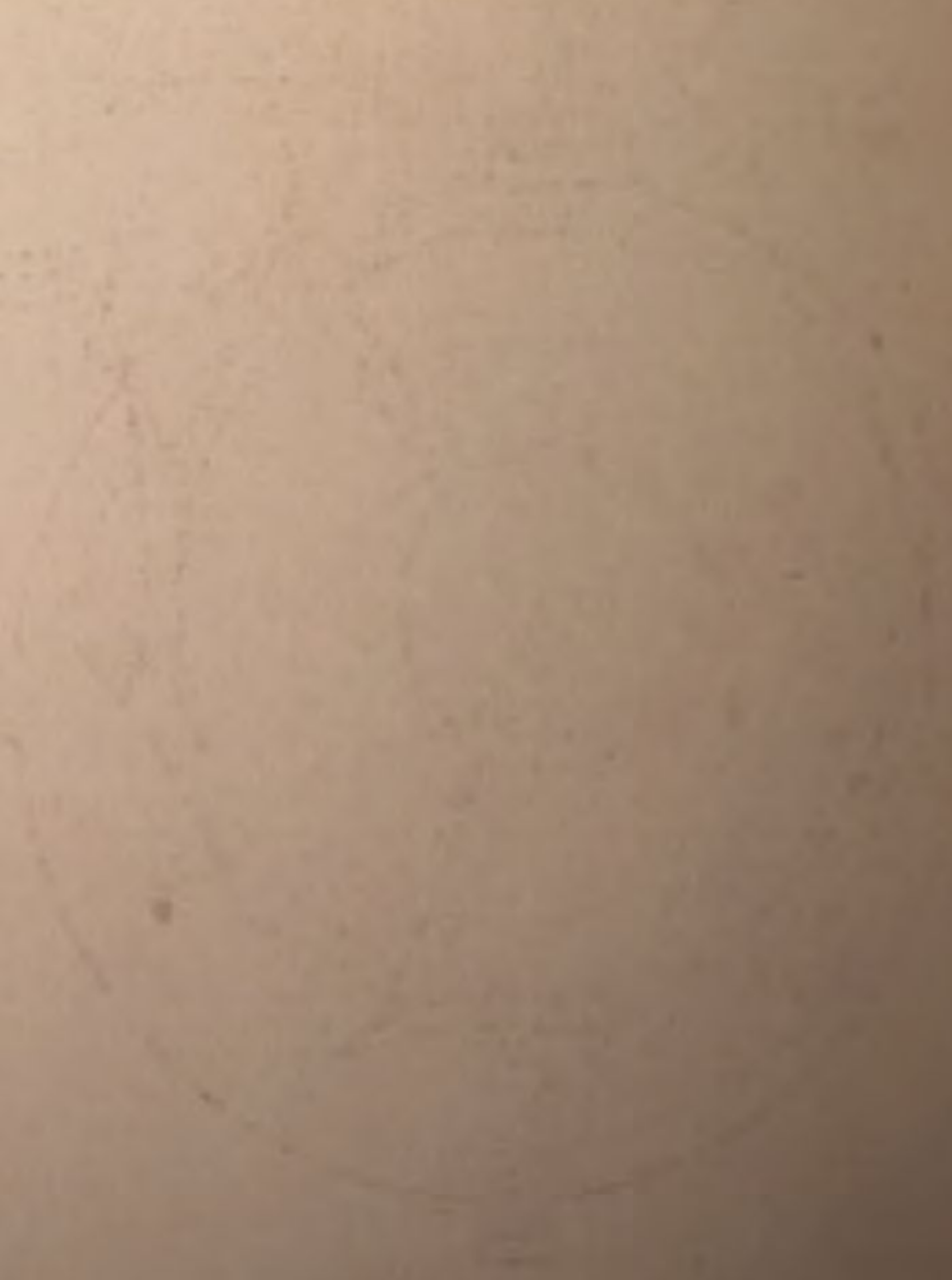
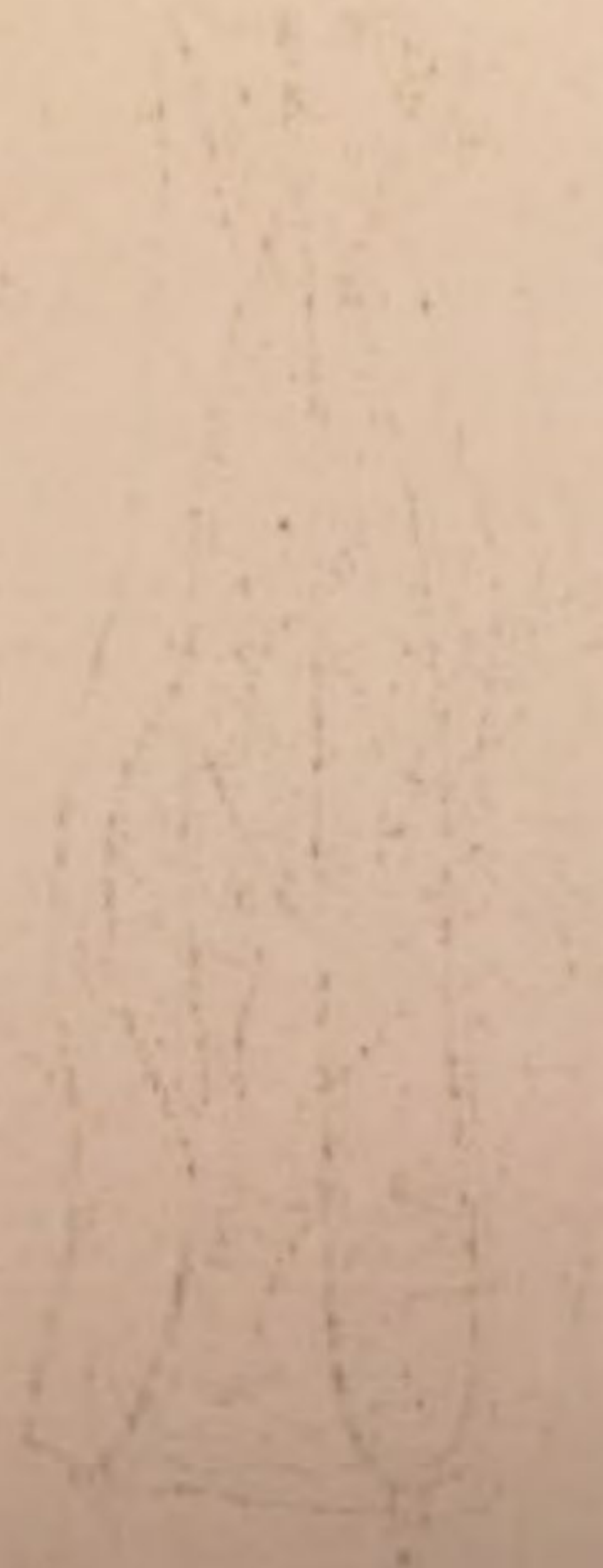


Handwritten text at the top center, possibly a title or date.

Handwritten text at the top right.



Handwritten text at the bottom right, possibly a signature or a note.



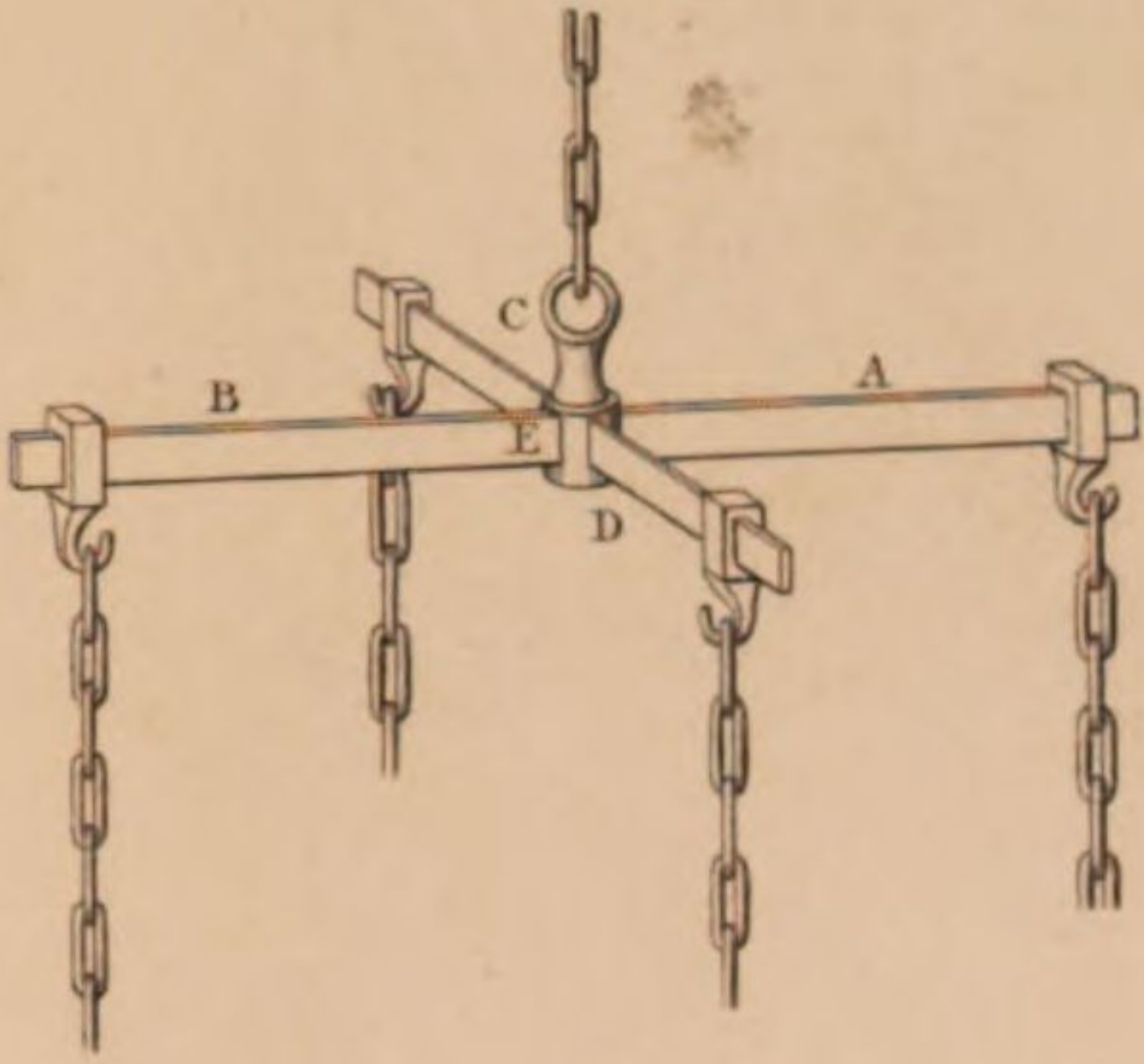
MANUFACTURES.

MECHANICAL PROCESSES.

PLATE LXV.

Apparatus for lifting.

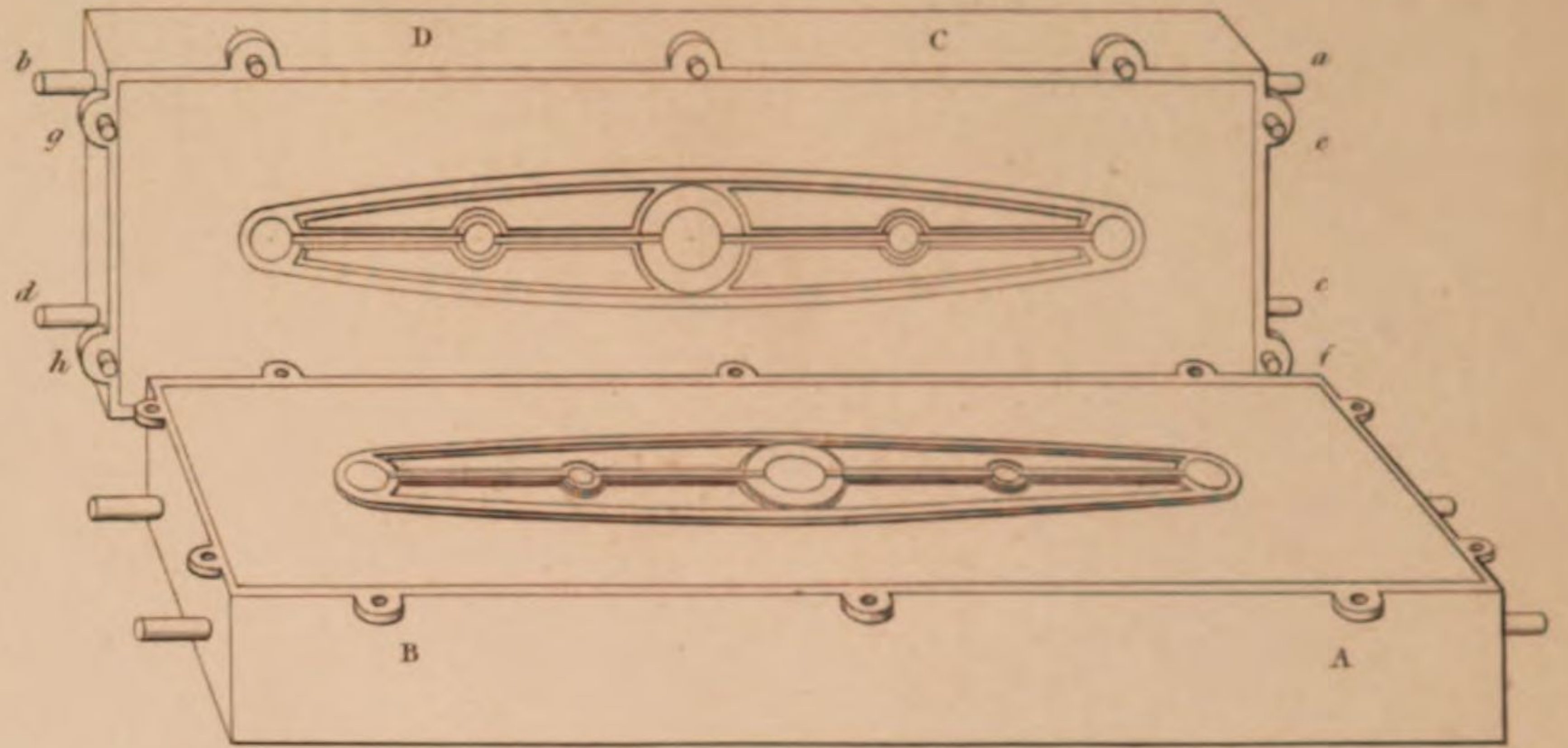
9



Founding.

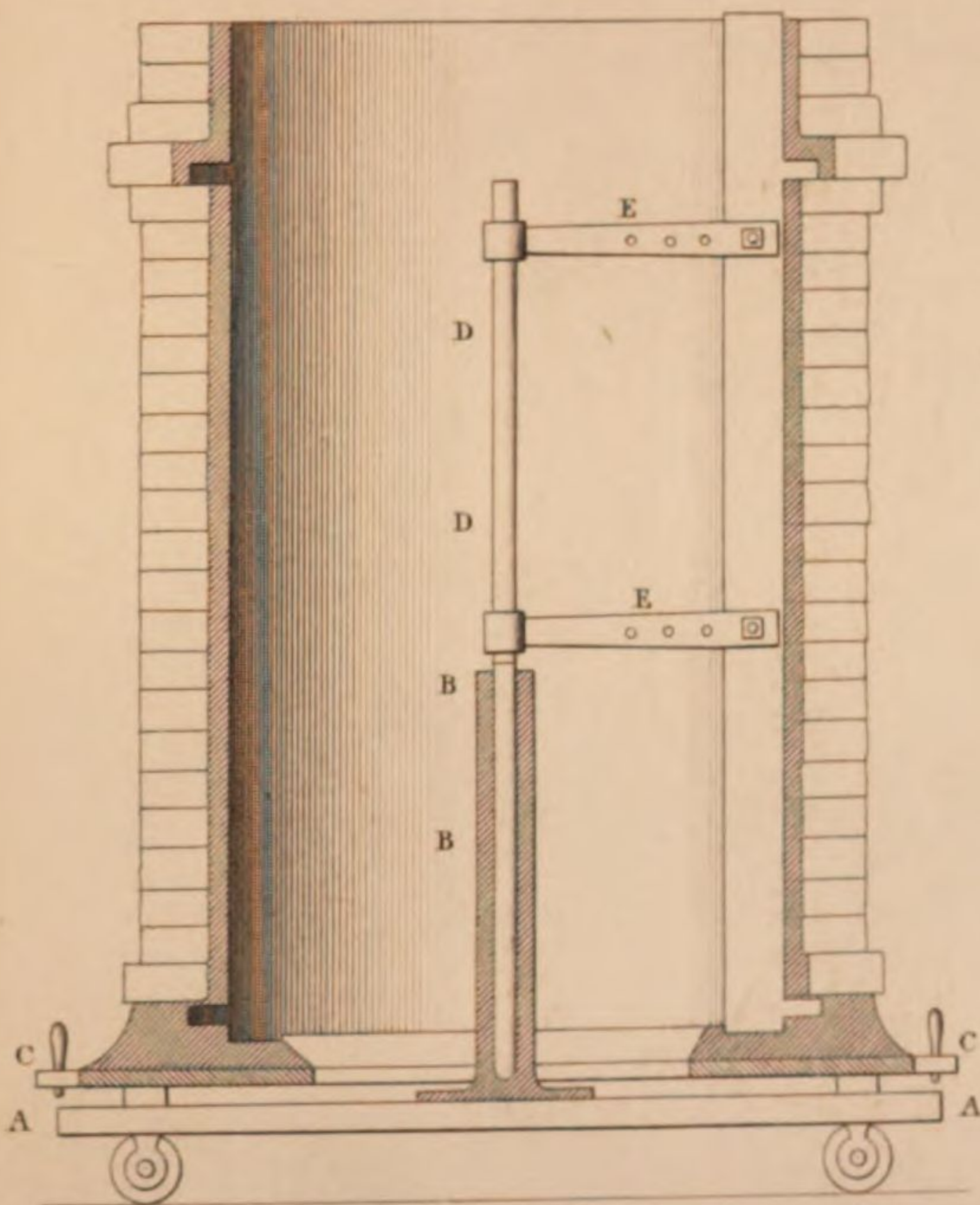
Flask Casting.

Fig. 1.



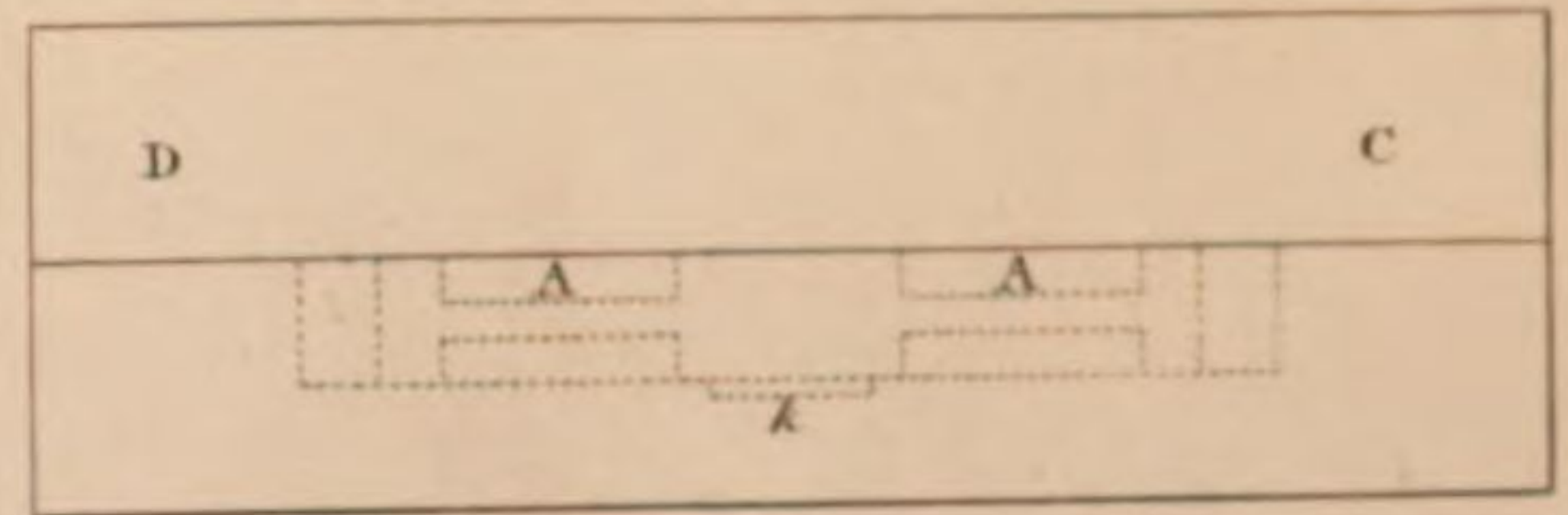
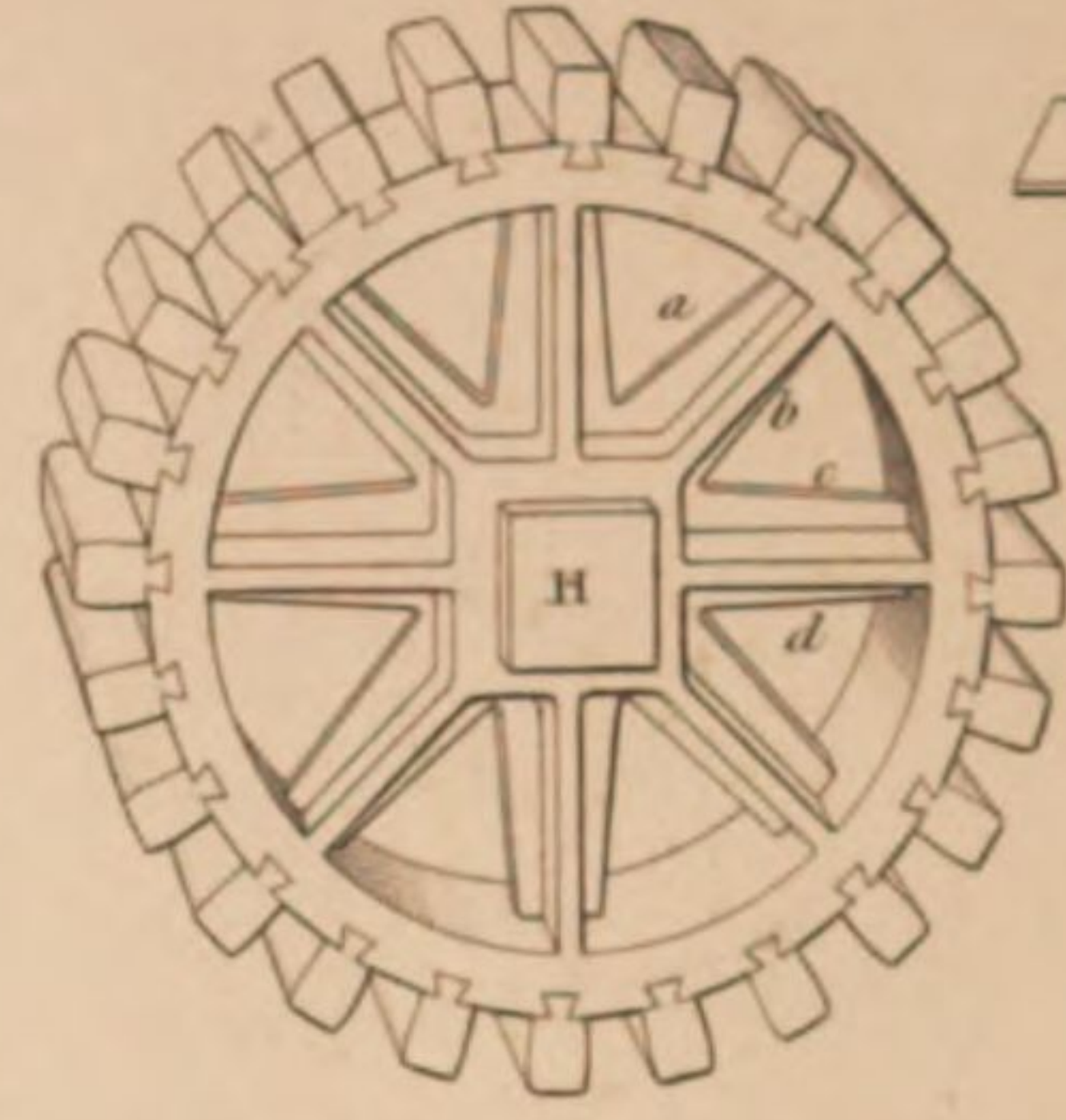
Cylinder Casting.

8



Log Wheel.

4

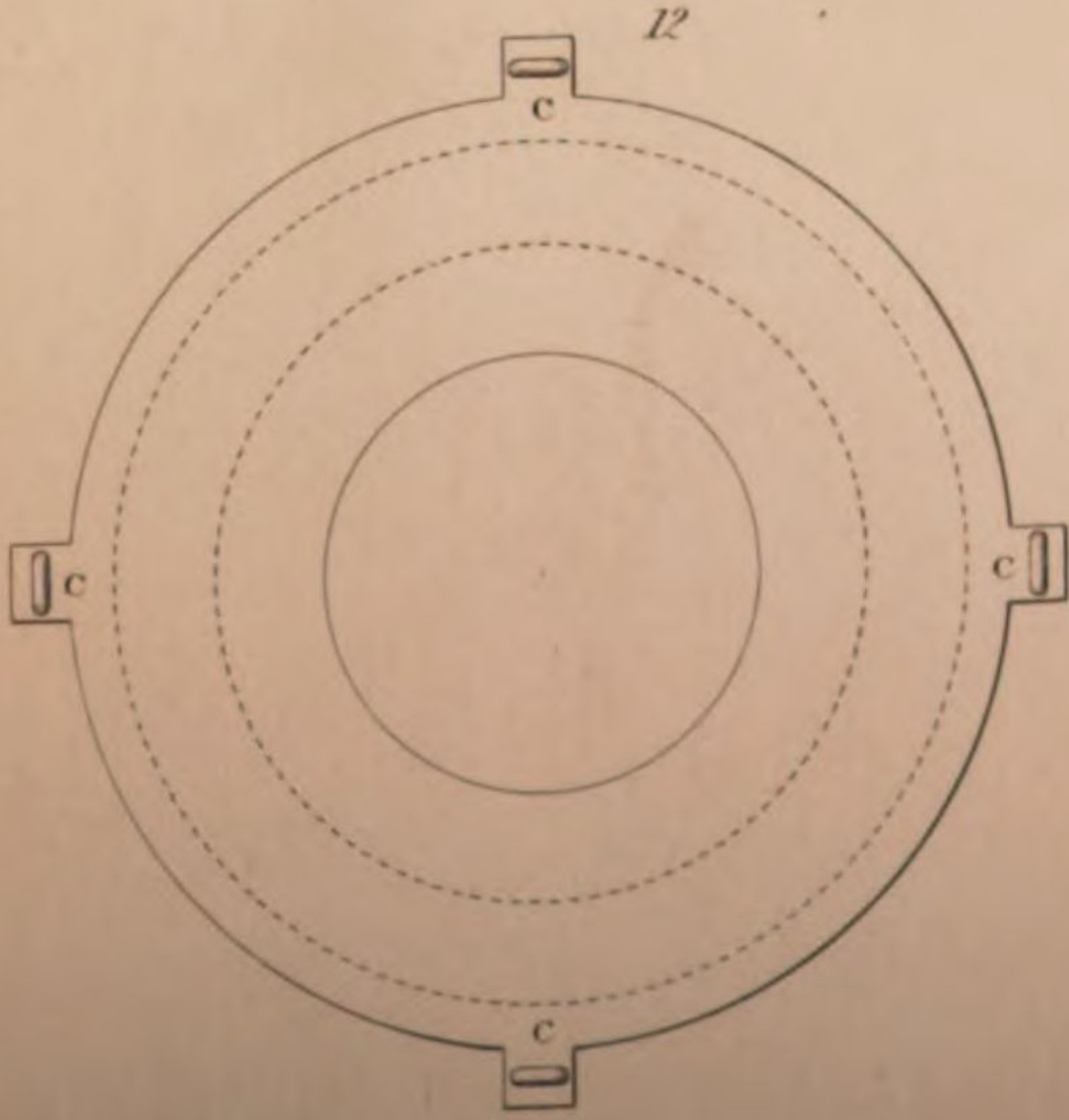


Casting Statues.

10

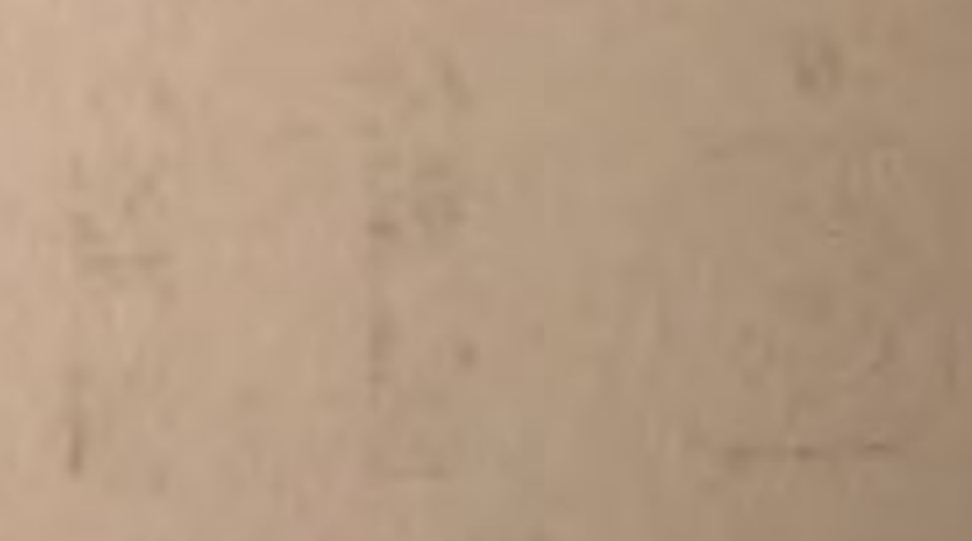
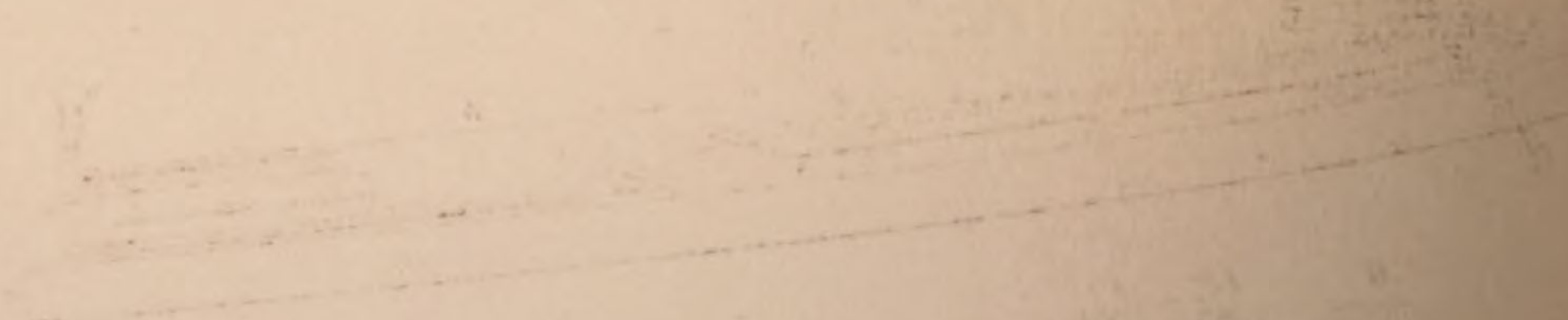
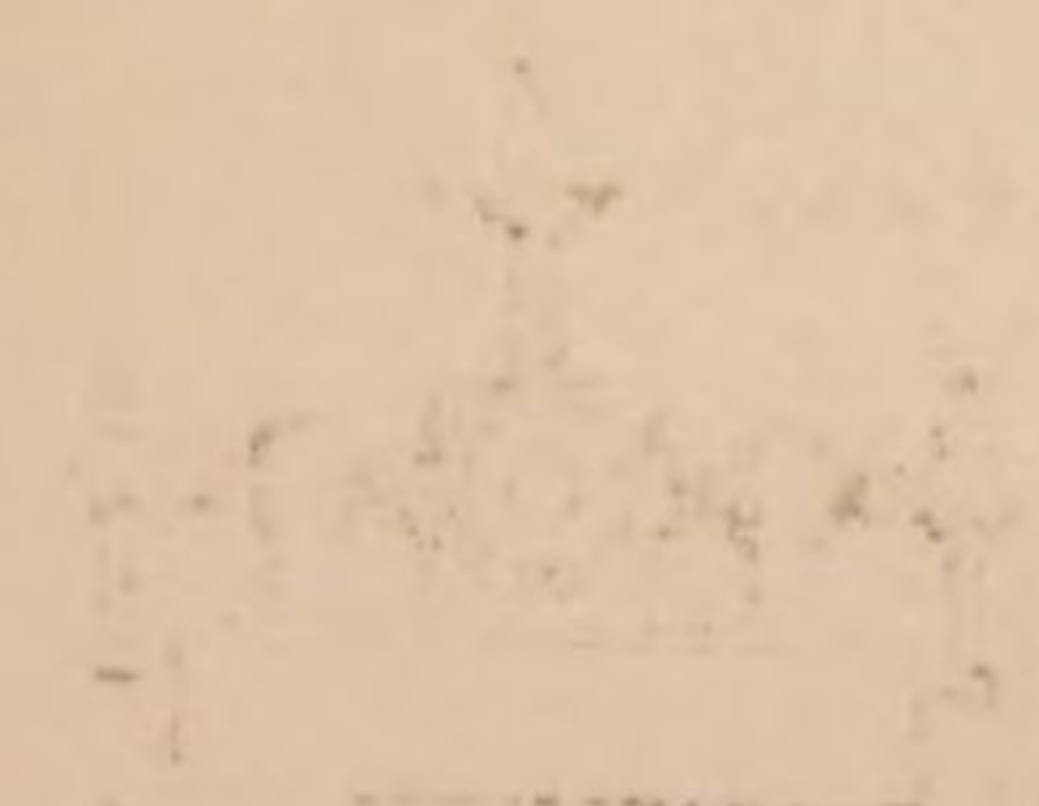


11





20. [Faint, illegible text]



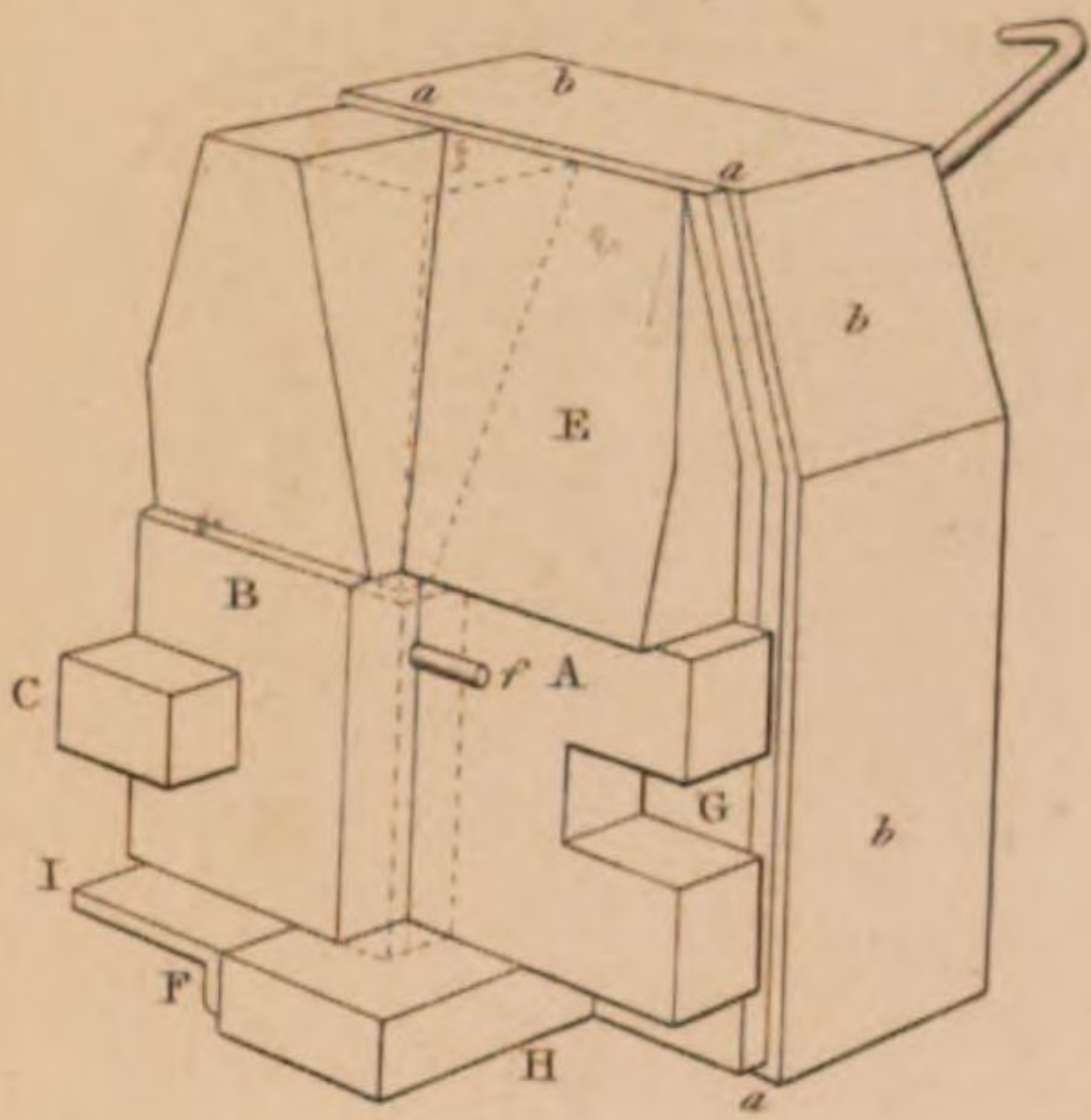
MANUFACTURES.

MECHANICAL PROCESSES.

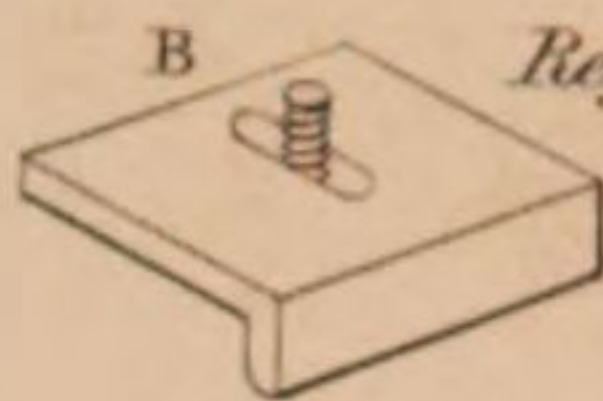
Foundry.

PLATE LXVI.

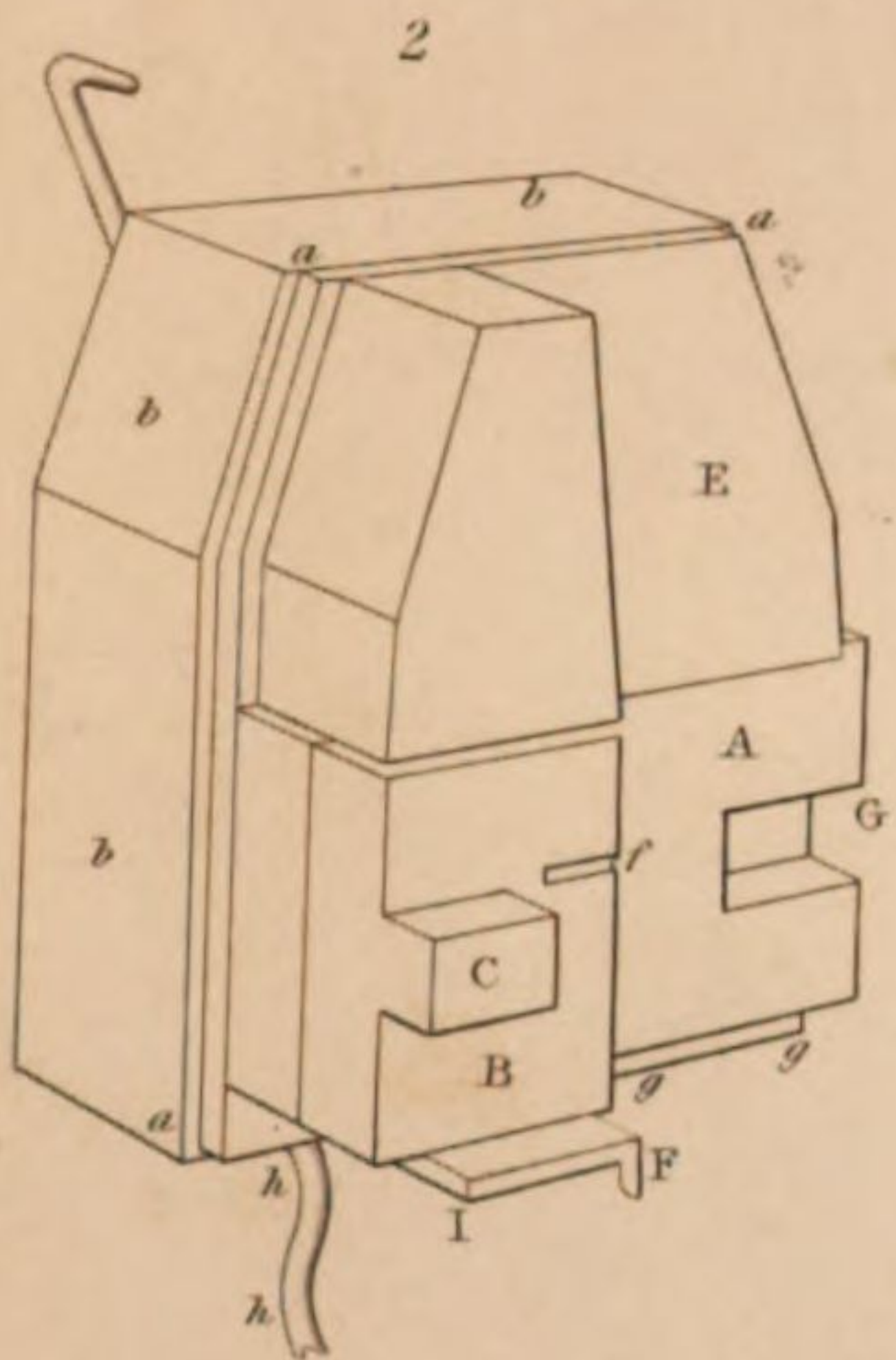
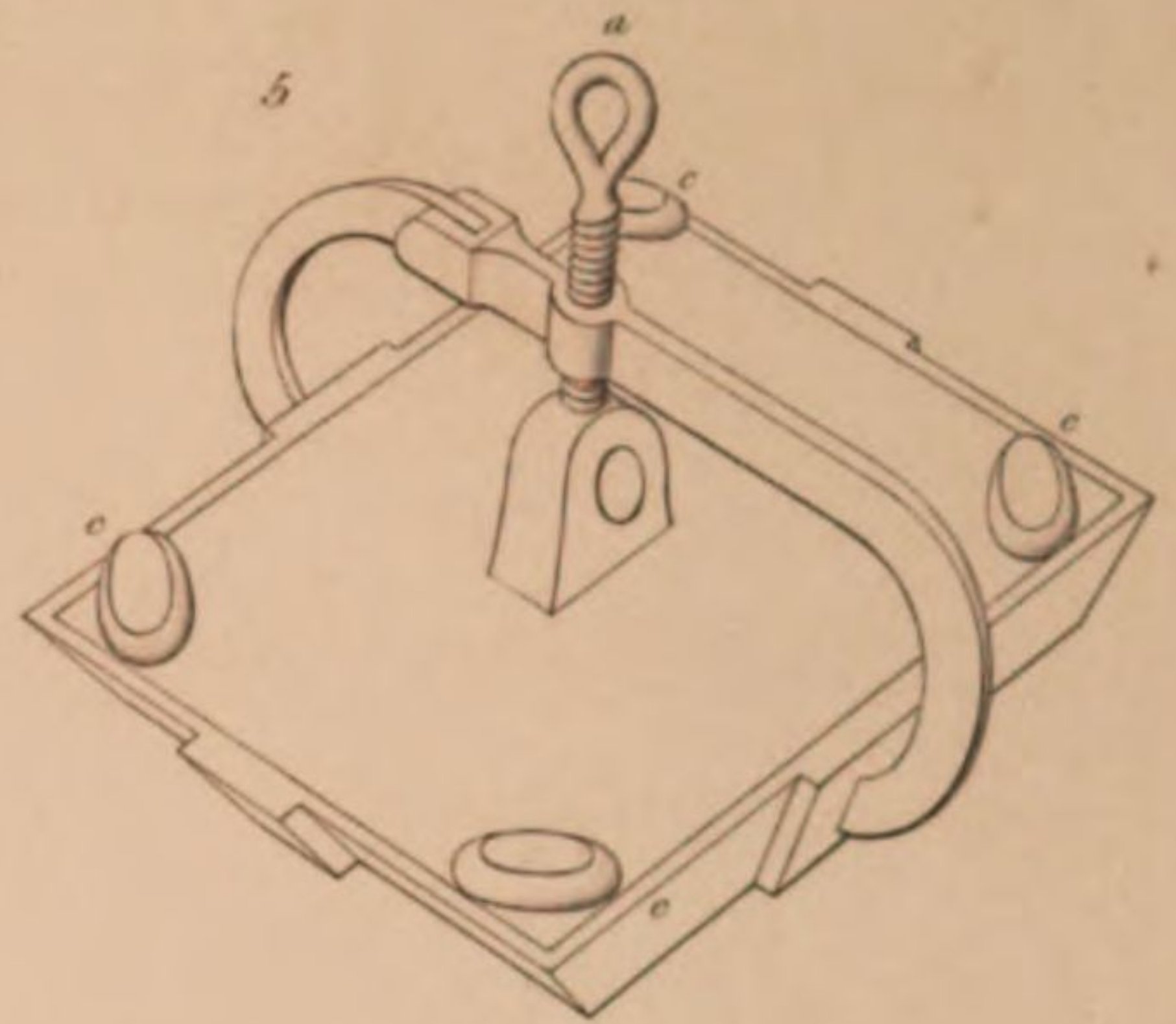
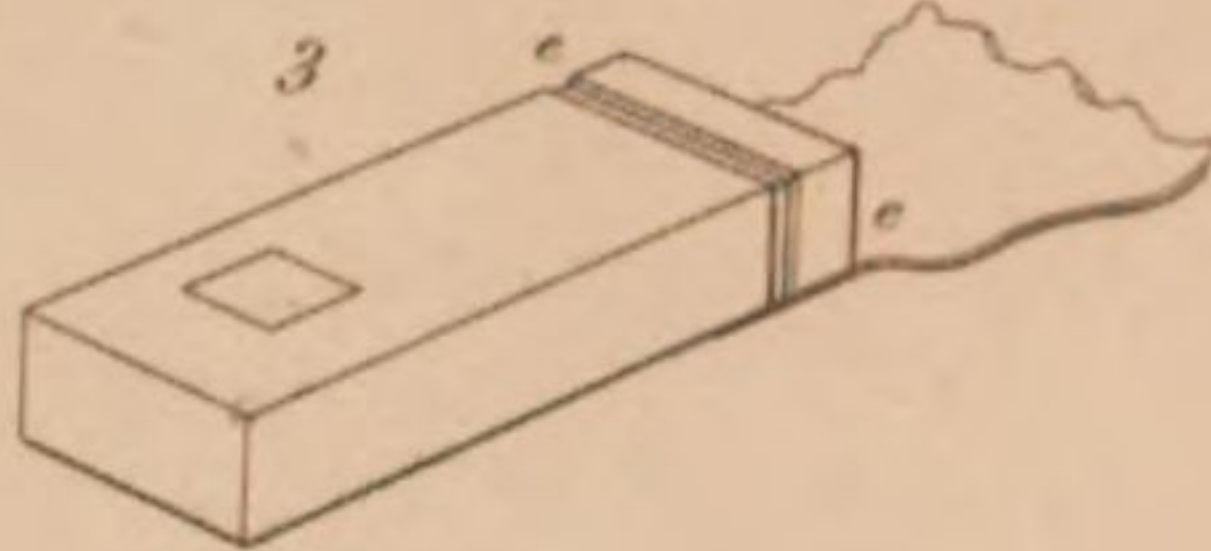
Fig. 1.



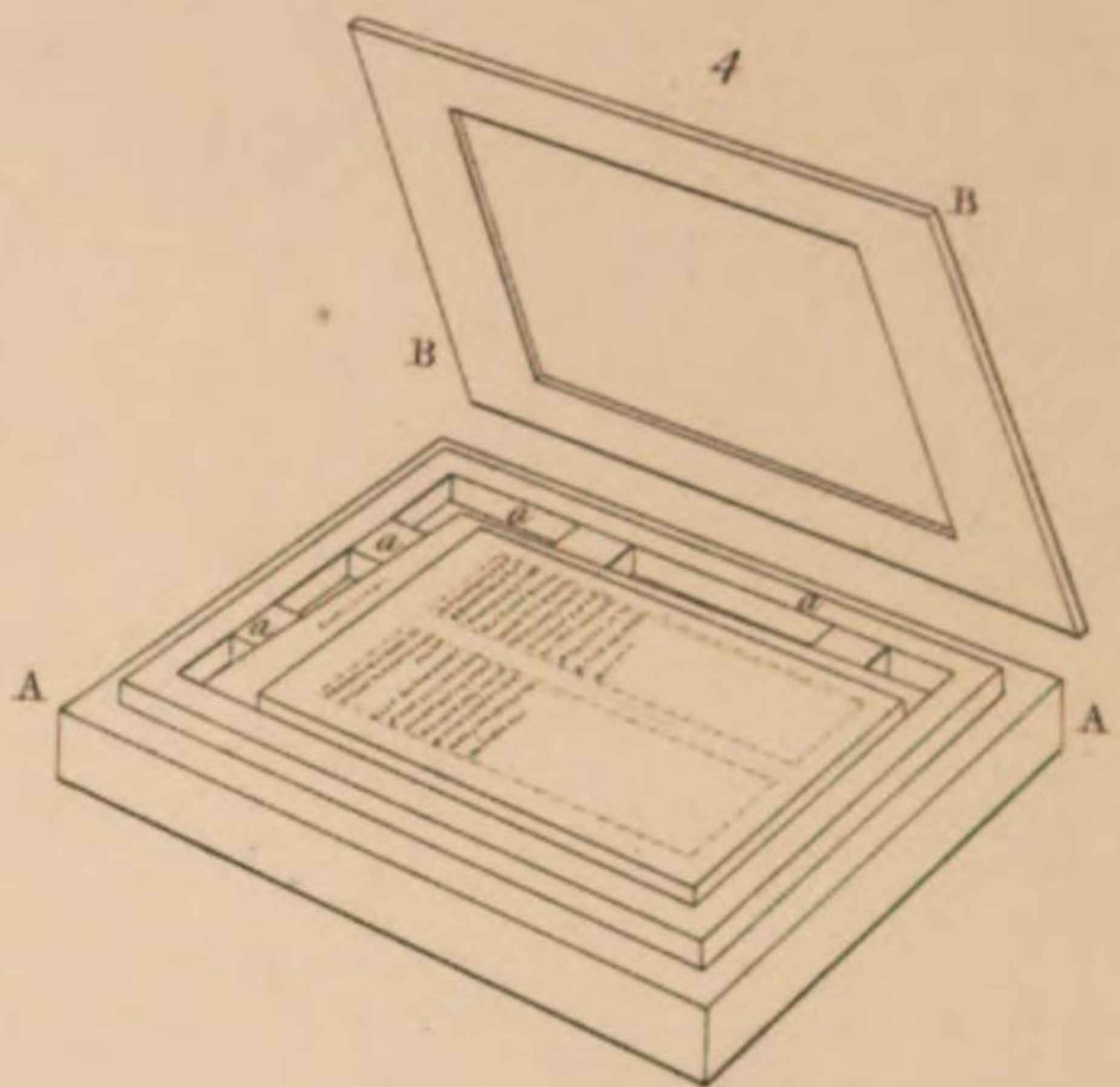
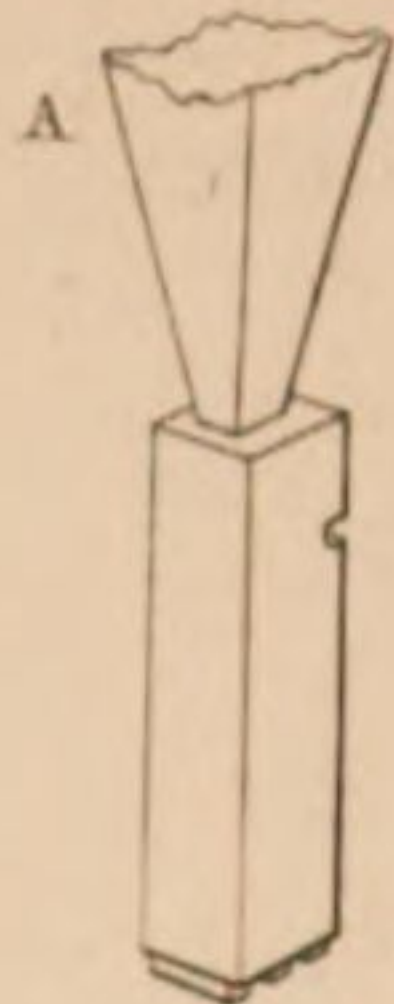
Register



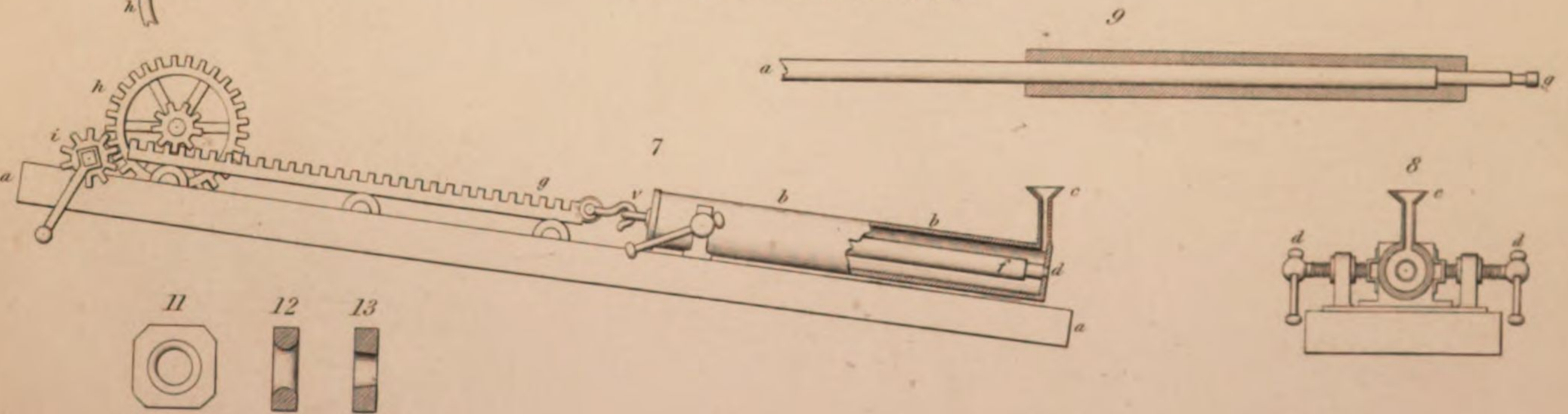
Matrice



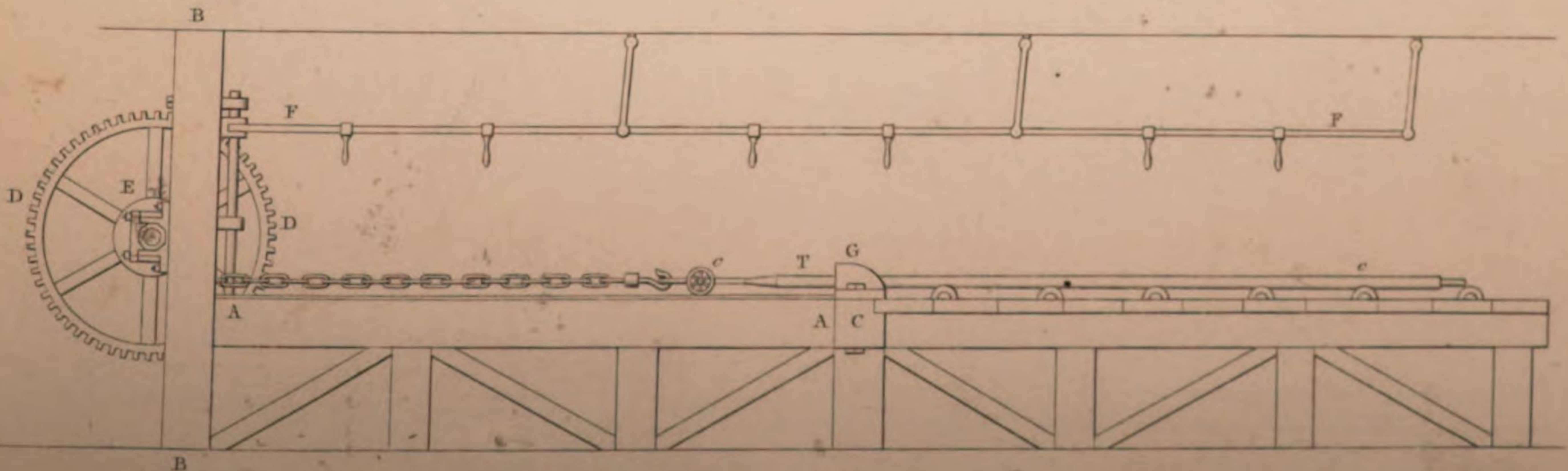
A Type



Founding & drawing lead pipes.



10

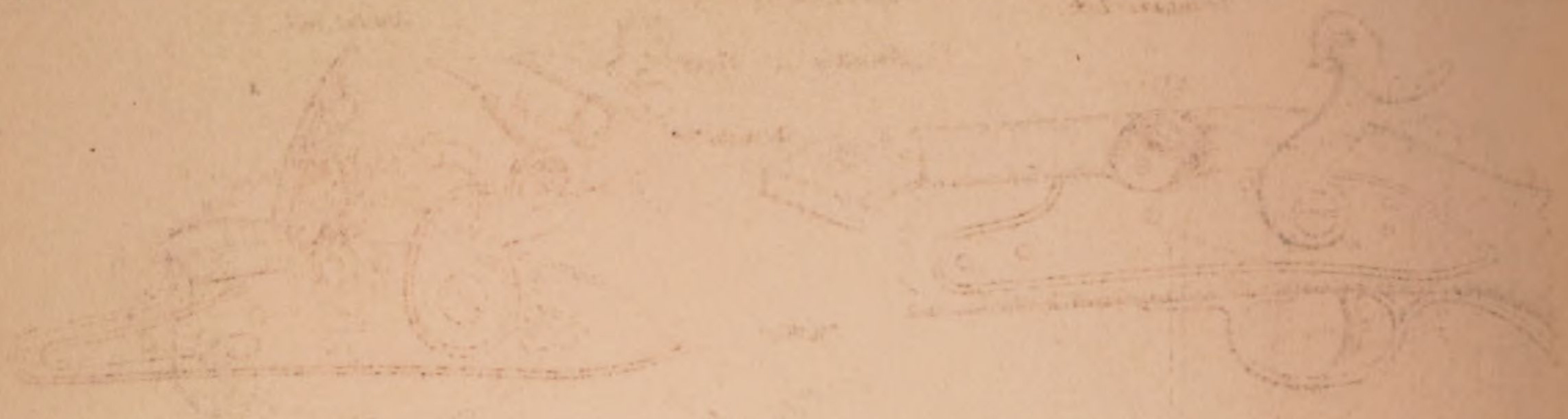


1711

PLANTING

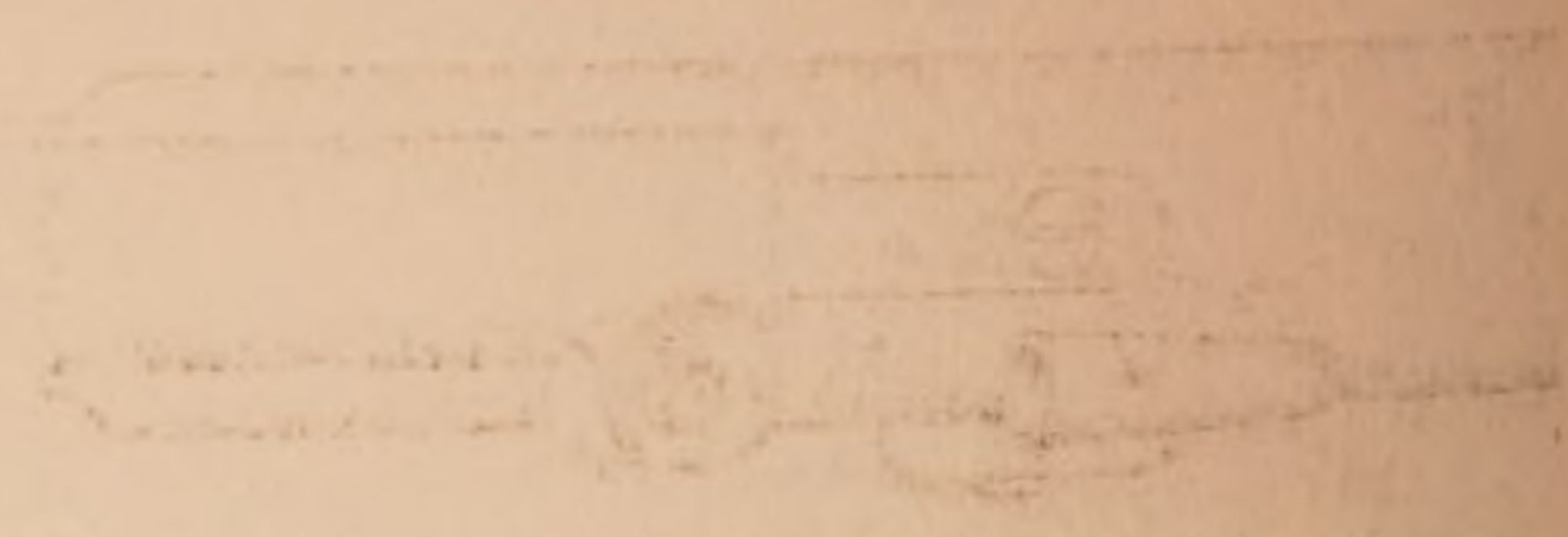
1711

1711



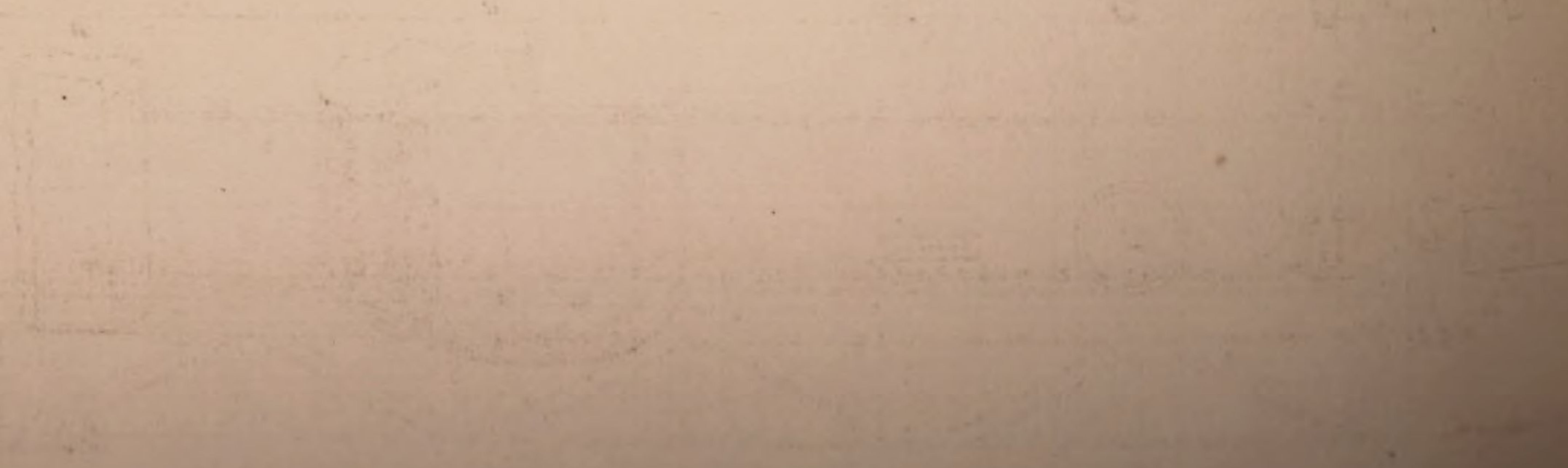
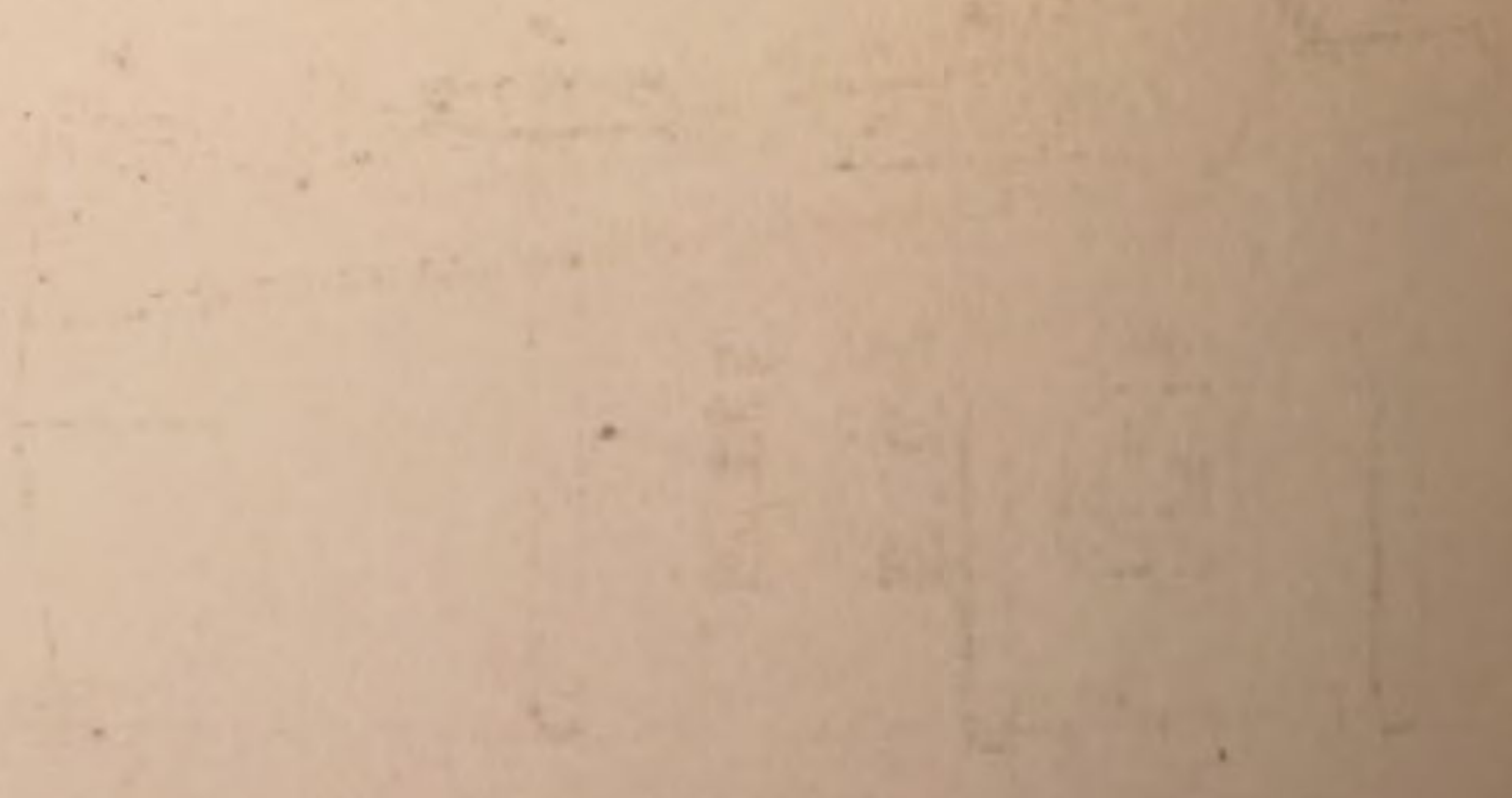
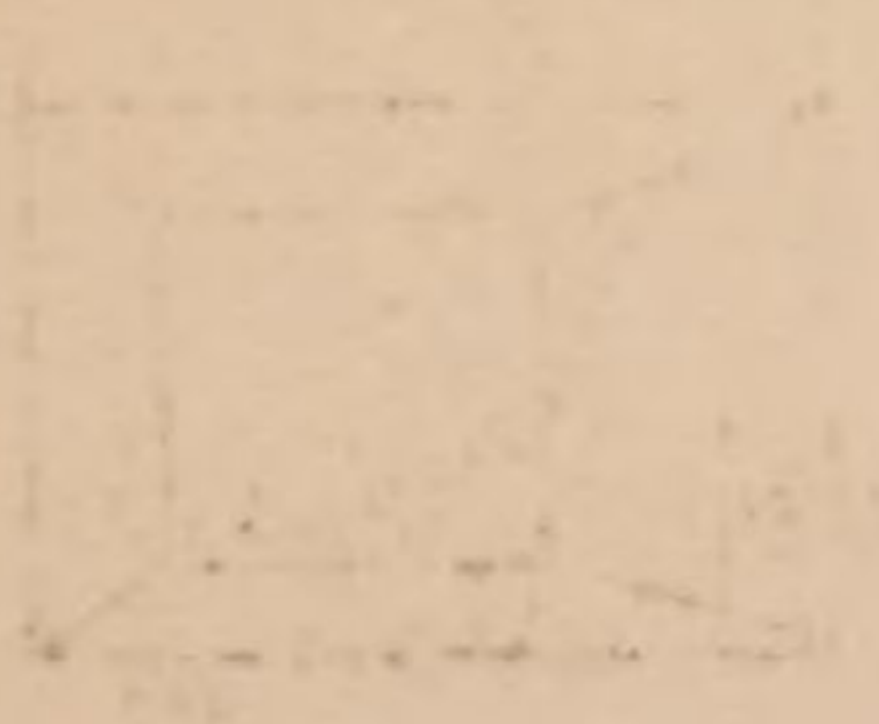
1711

1711



1711

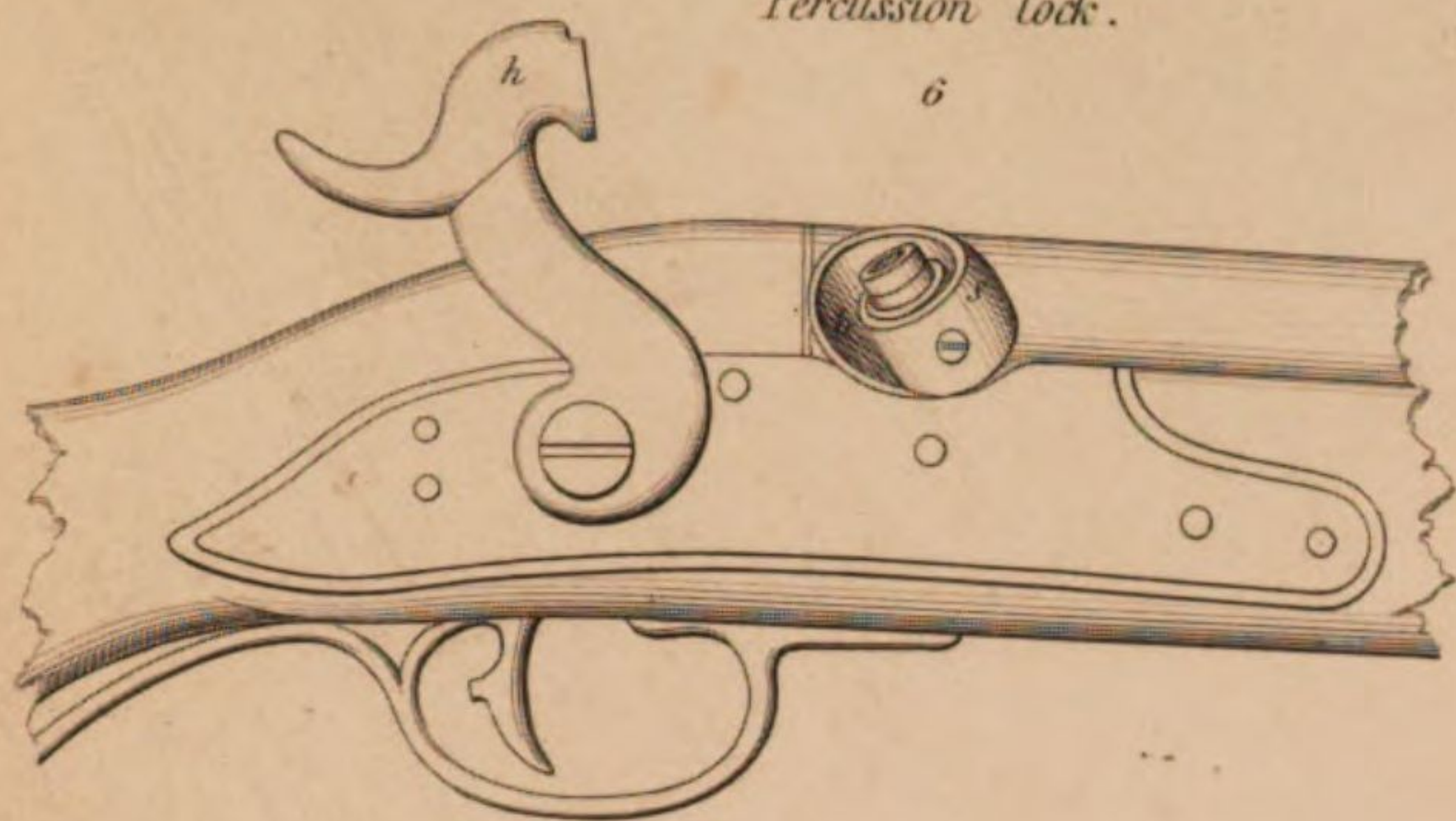
1711



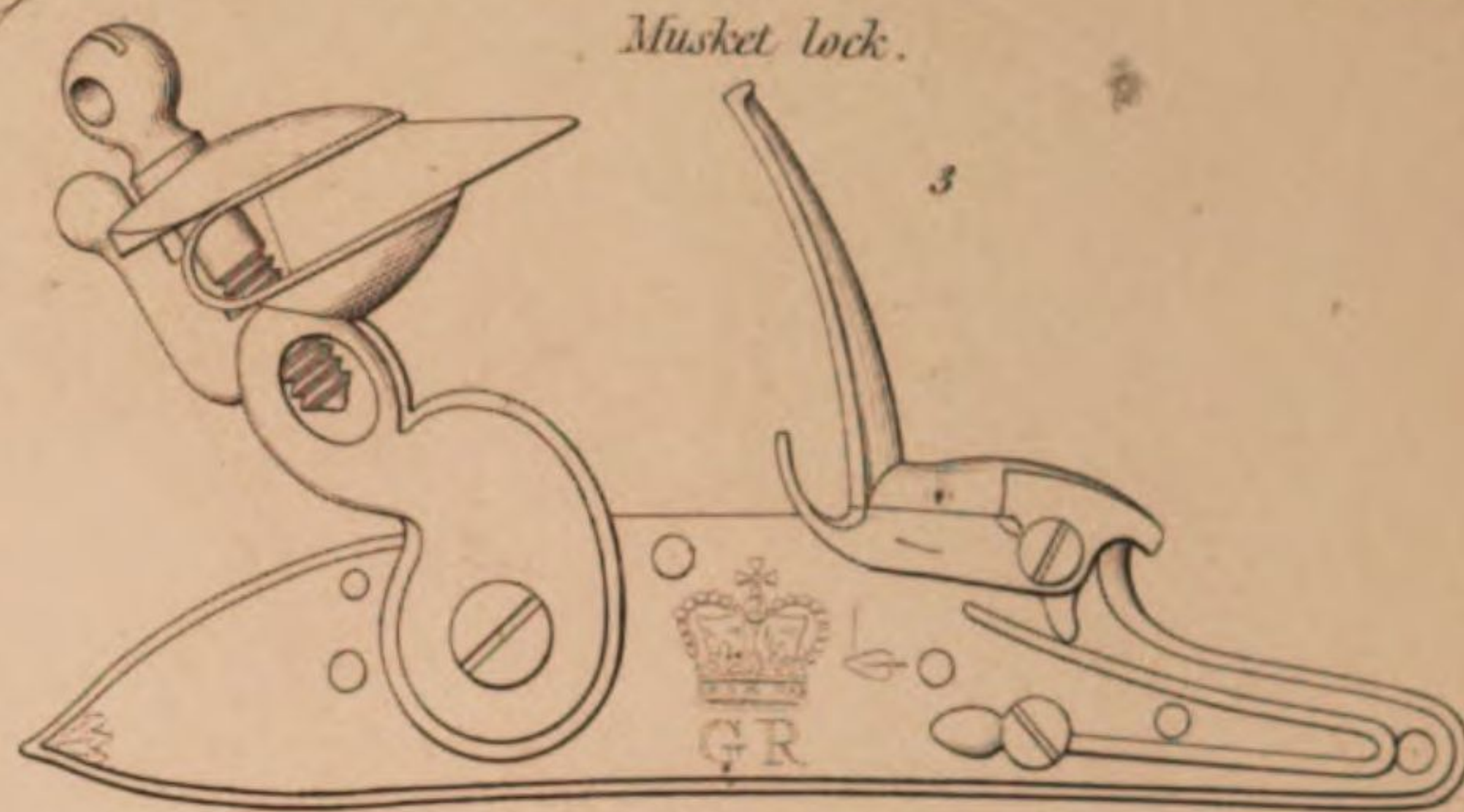
MANUFACTURES.
MECHANICAL PROCESSES.
Gun Making.

PLATE LXVII

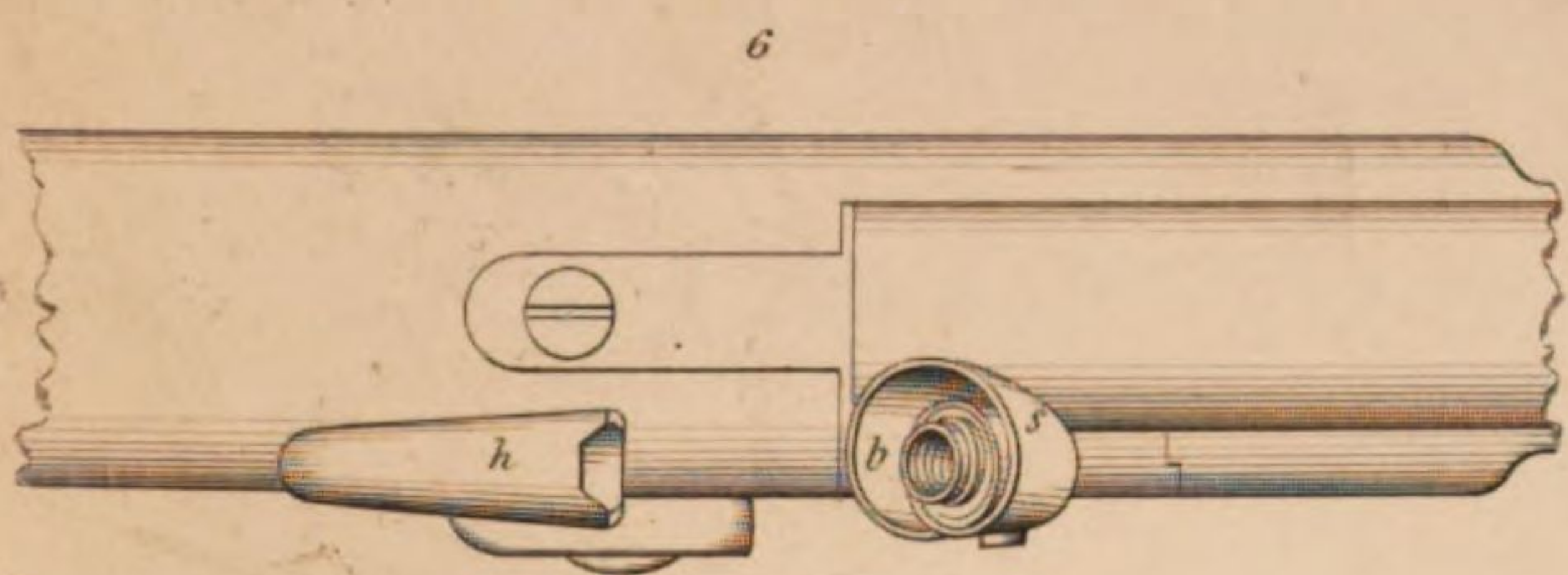
Percussion lock.



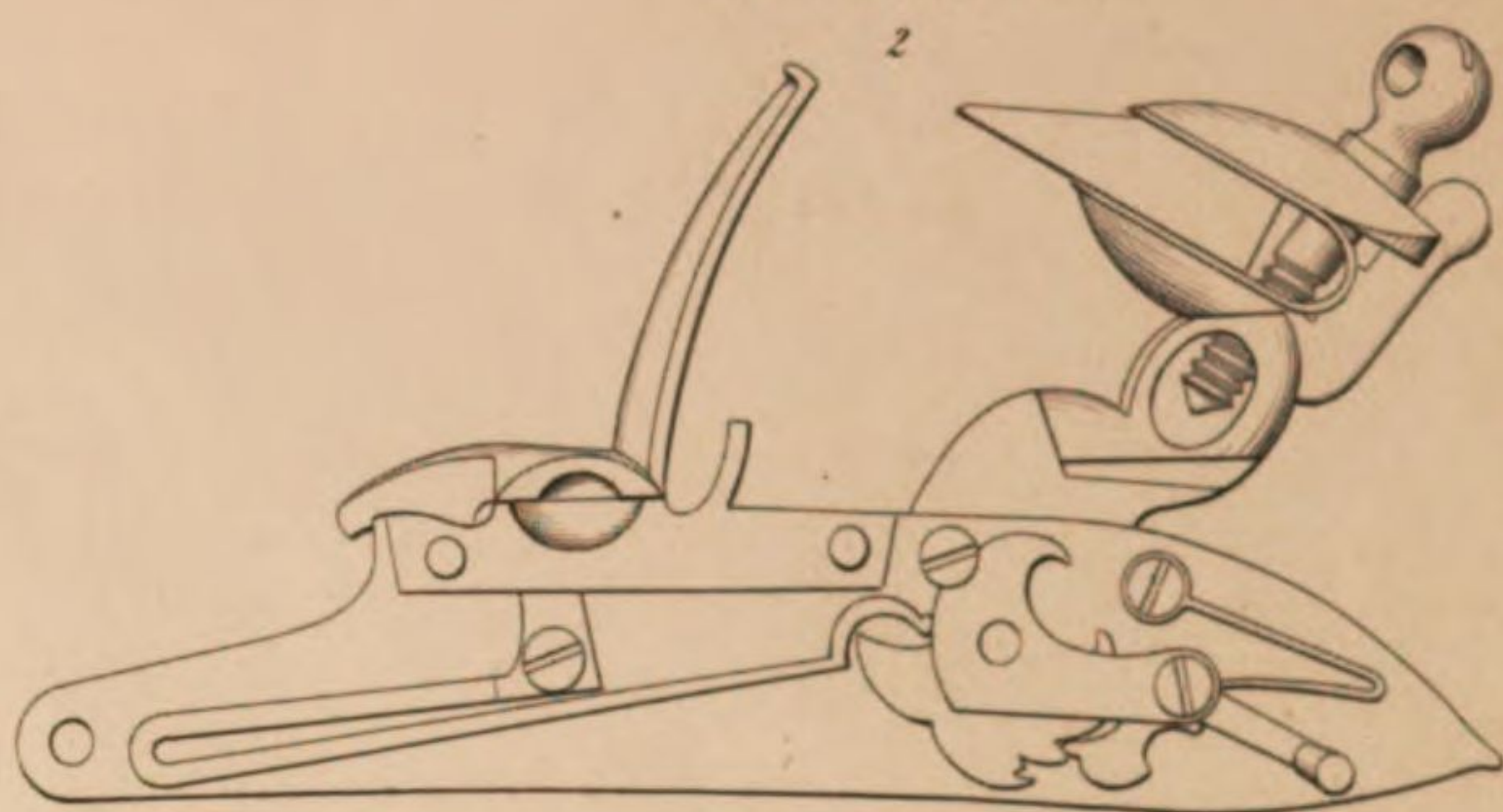
Musket lock.



Percussion lock (plan).



Musket lock (inside.)



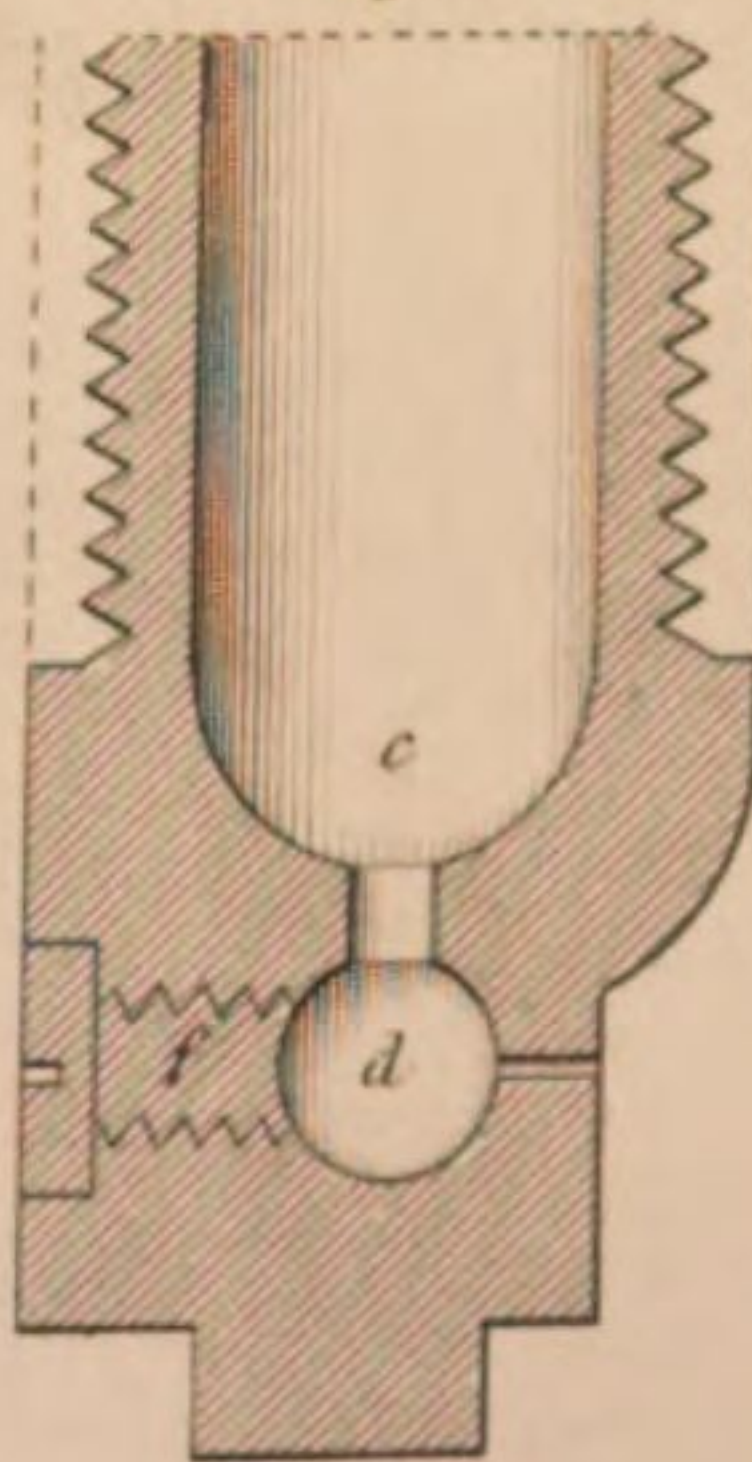
Plug.



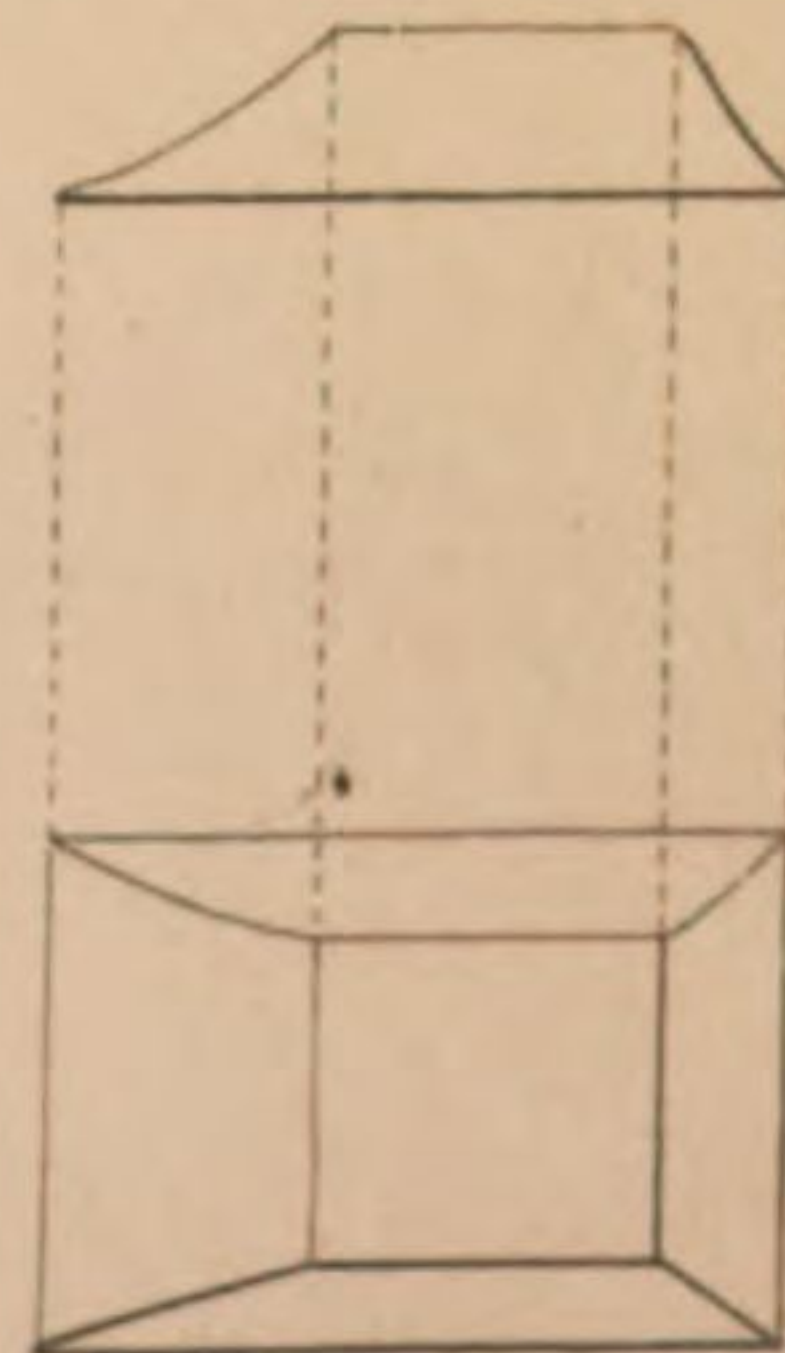
Socket.



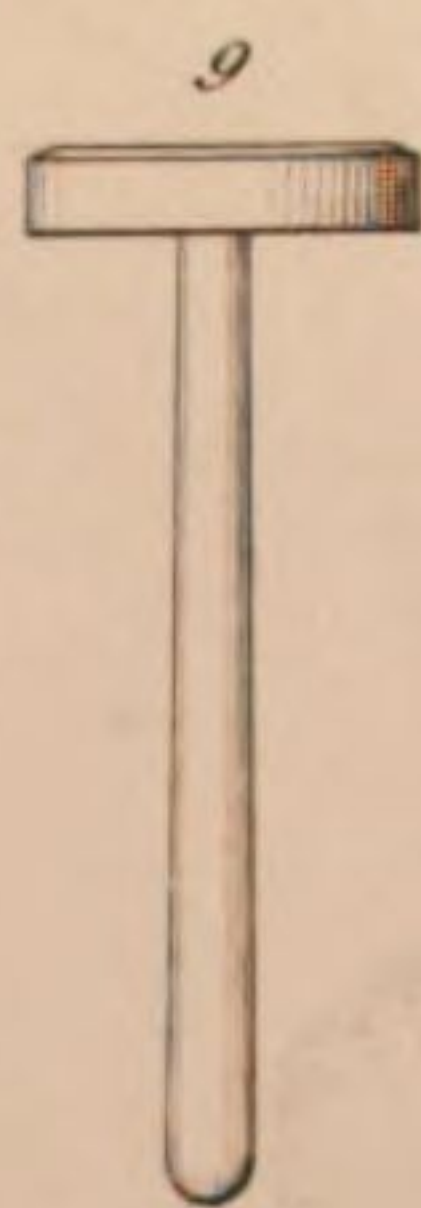
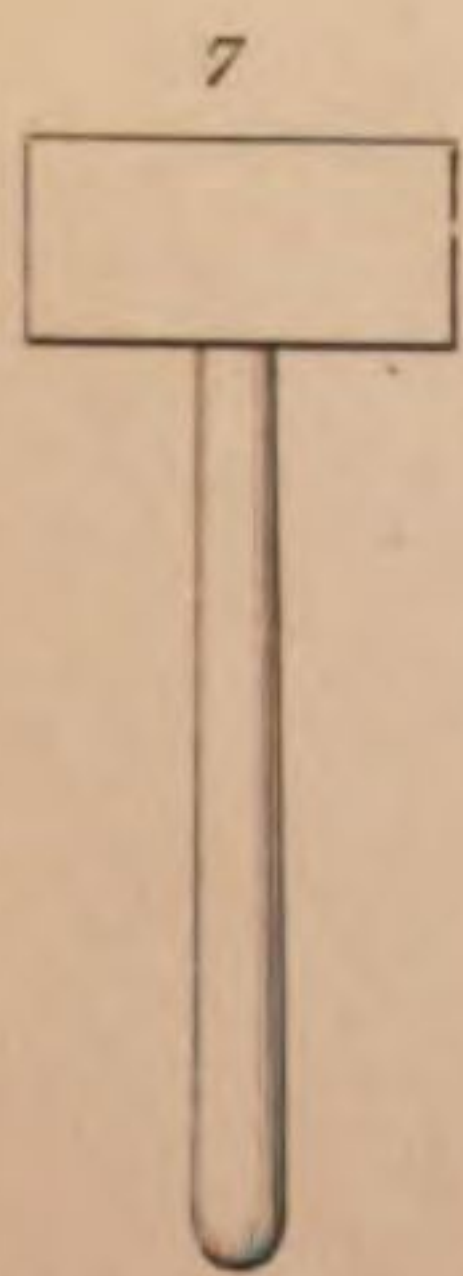
*Gun breach.
Fig. 1.*



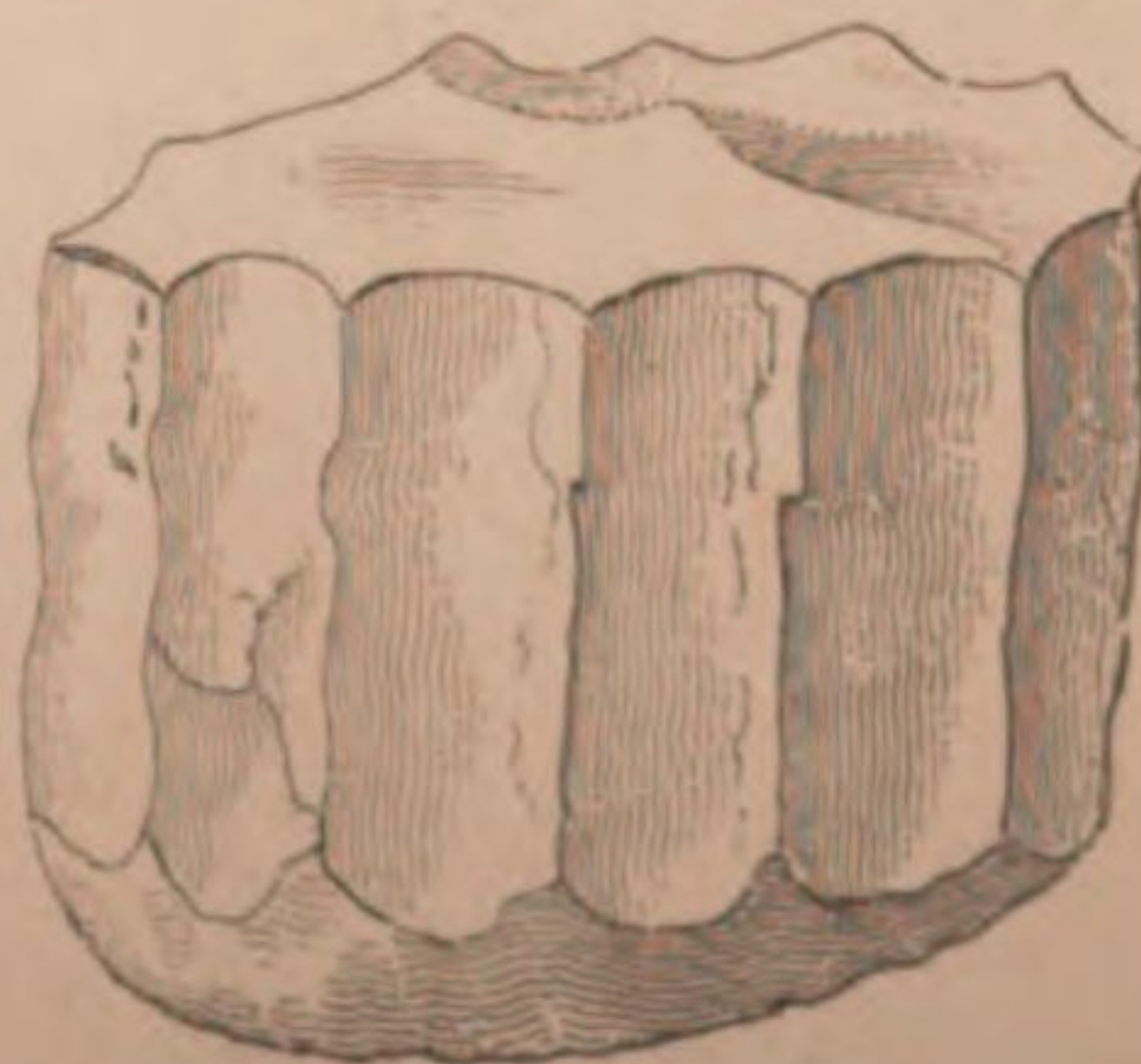
13



Tools for making Gun flints.

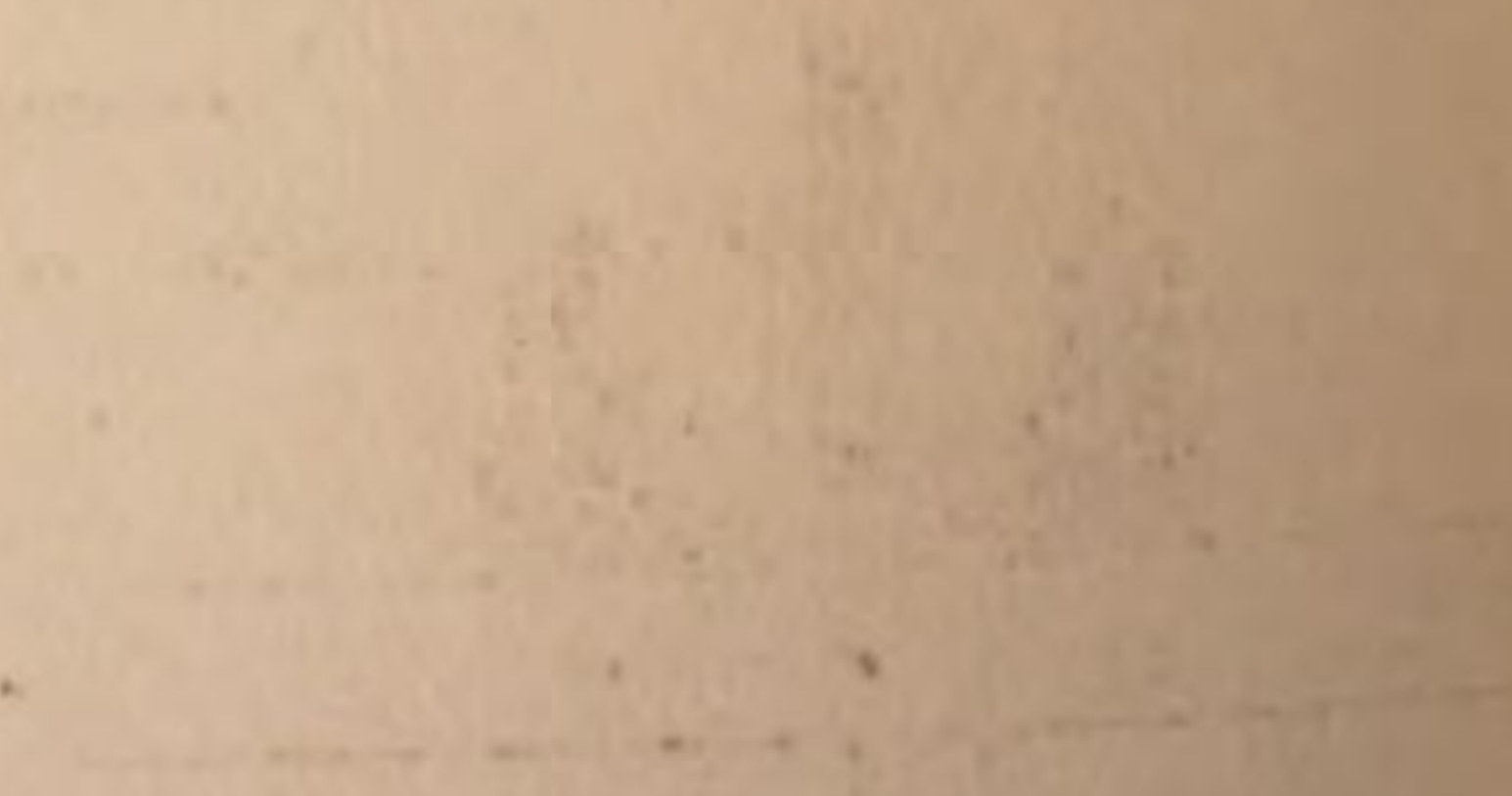
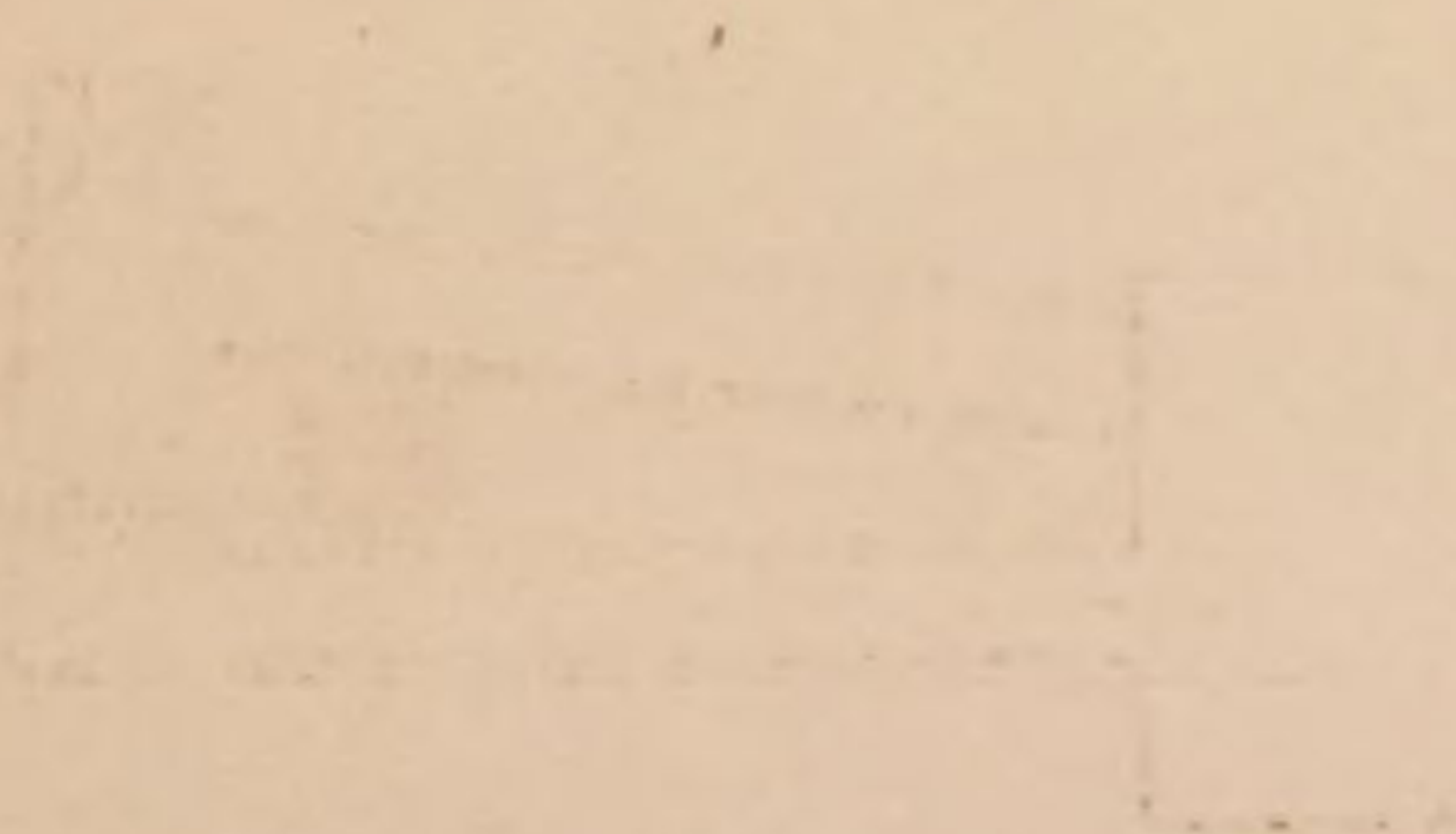
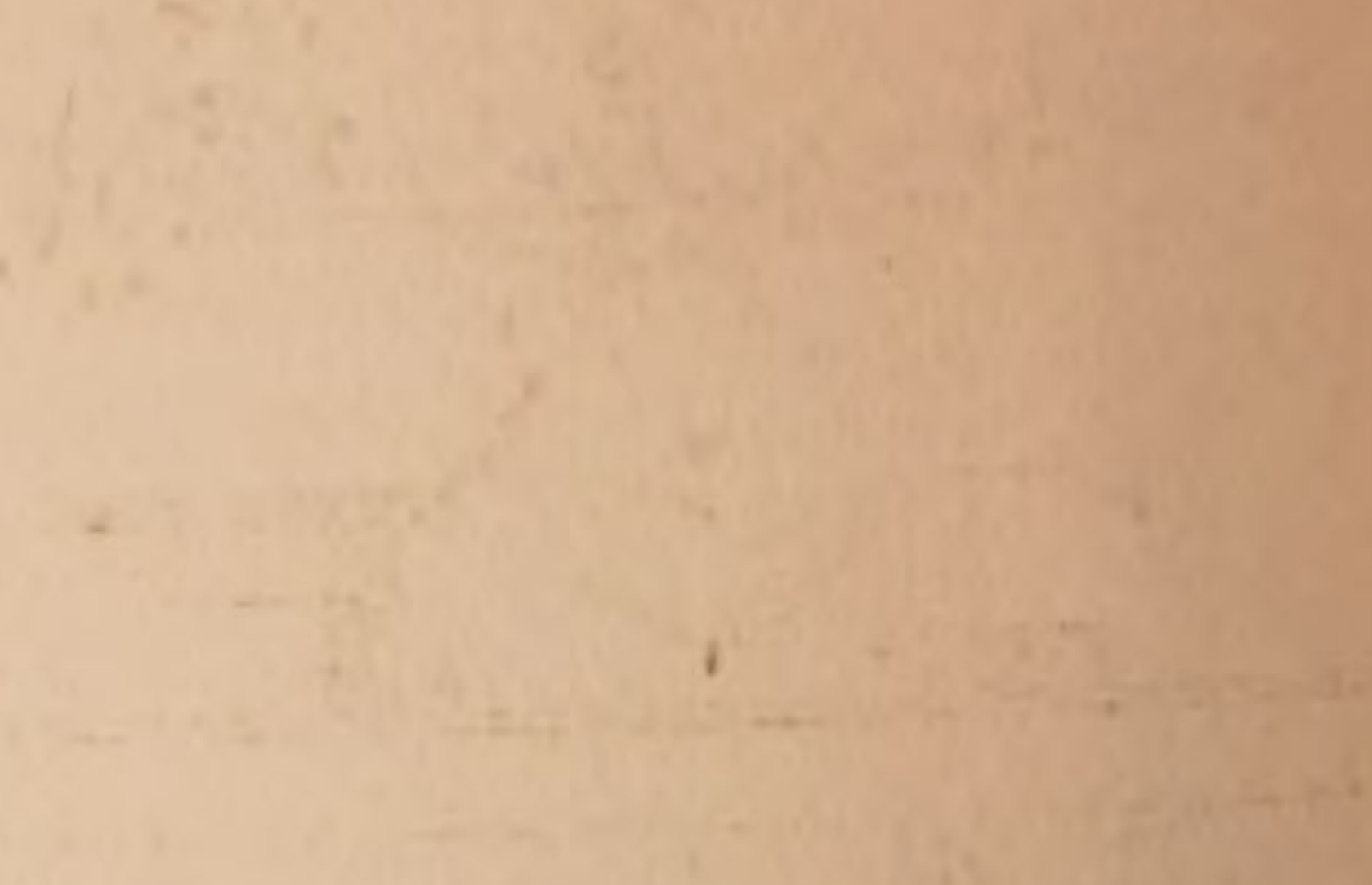
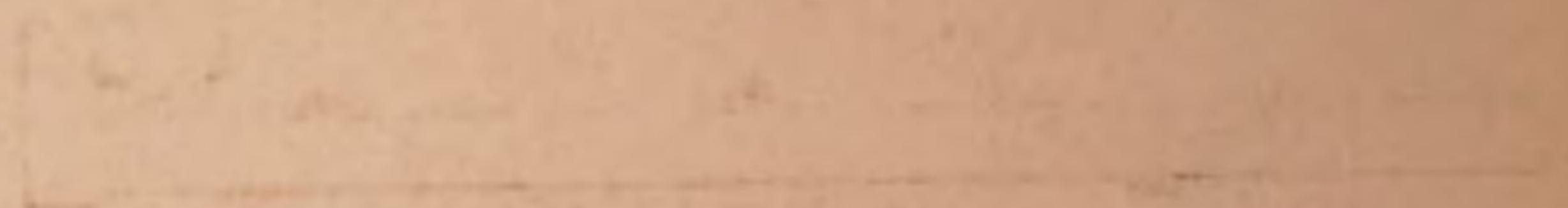
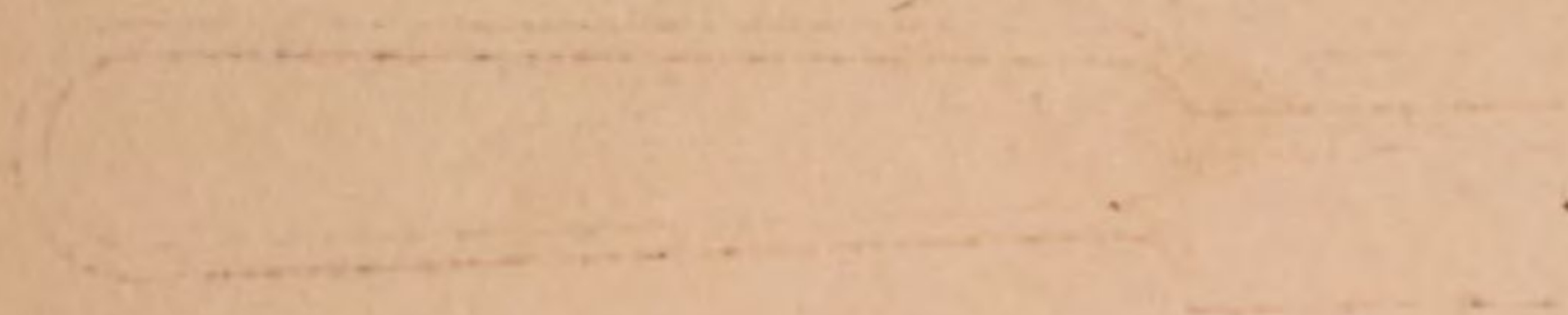


12

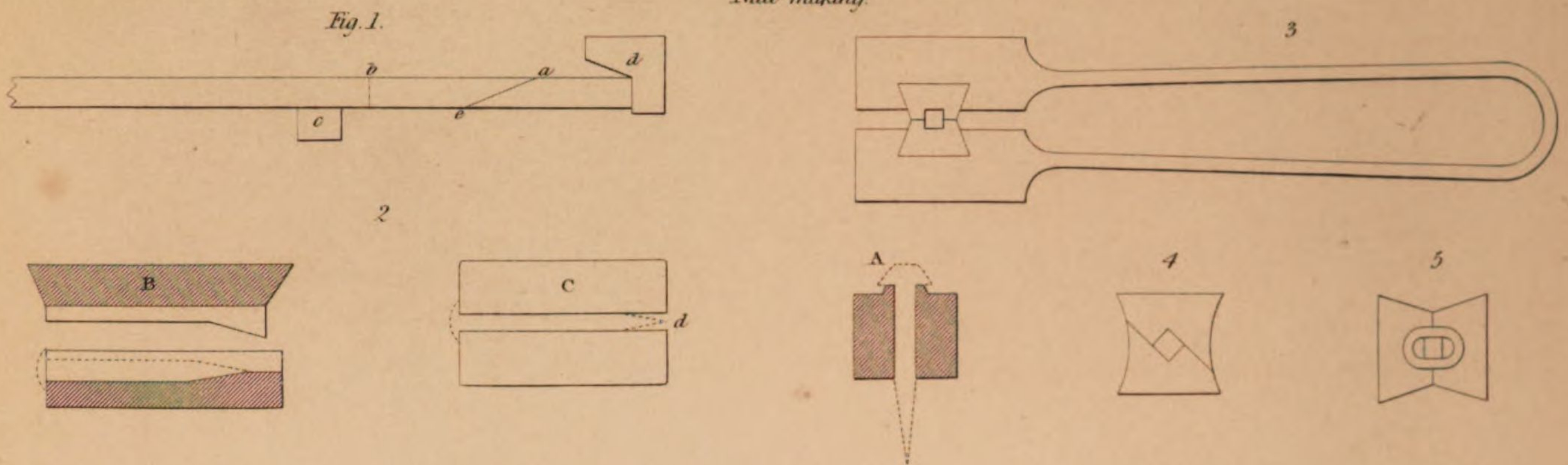


11

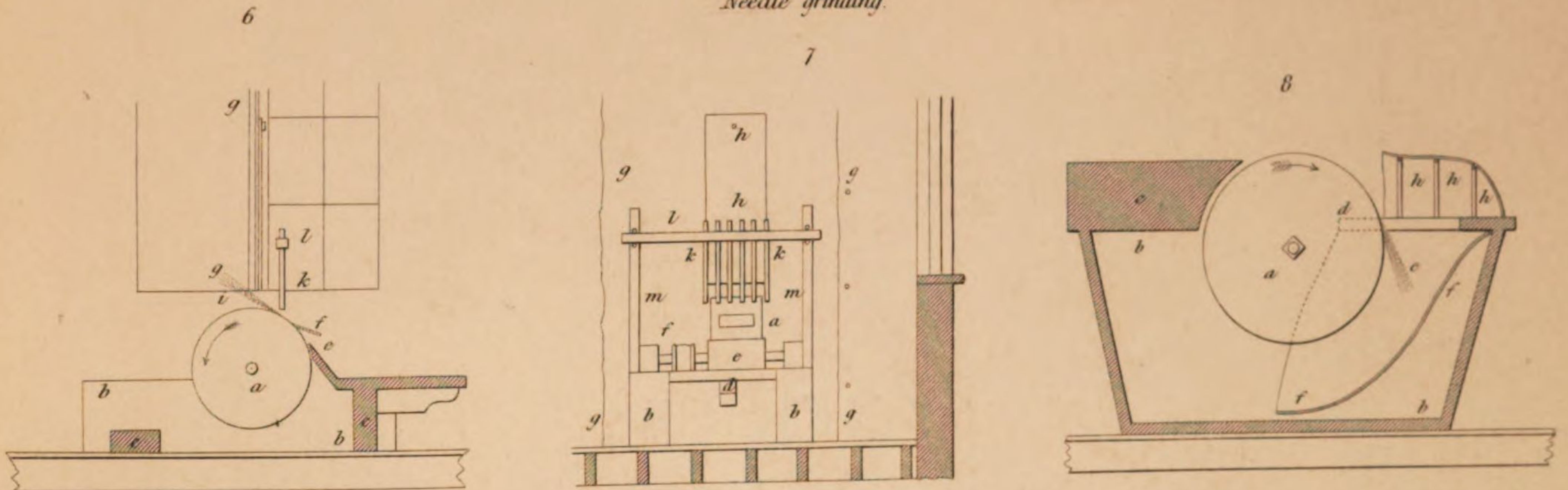




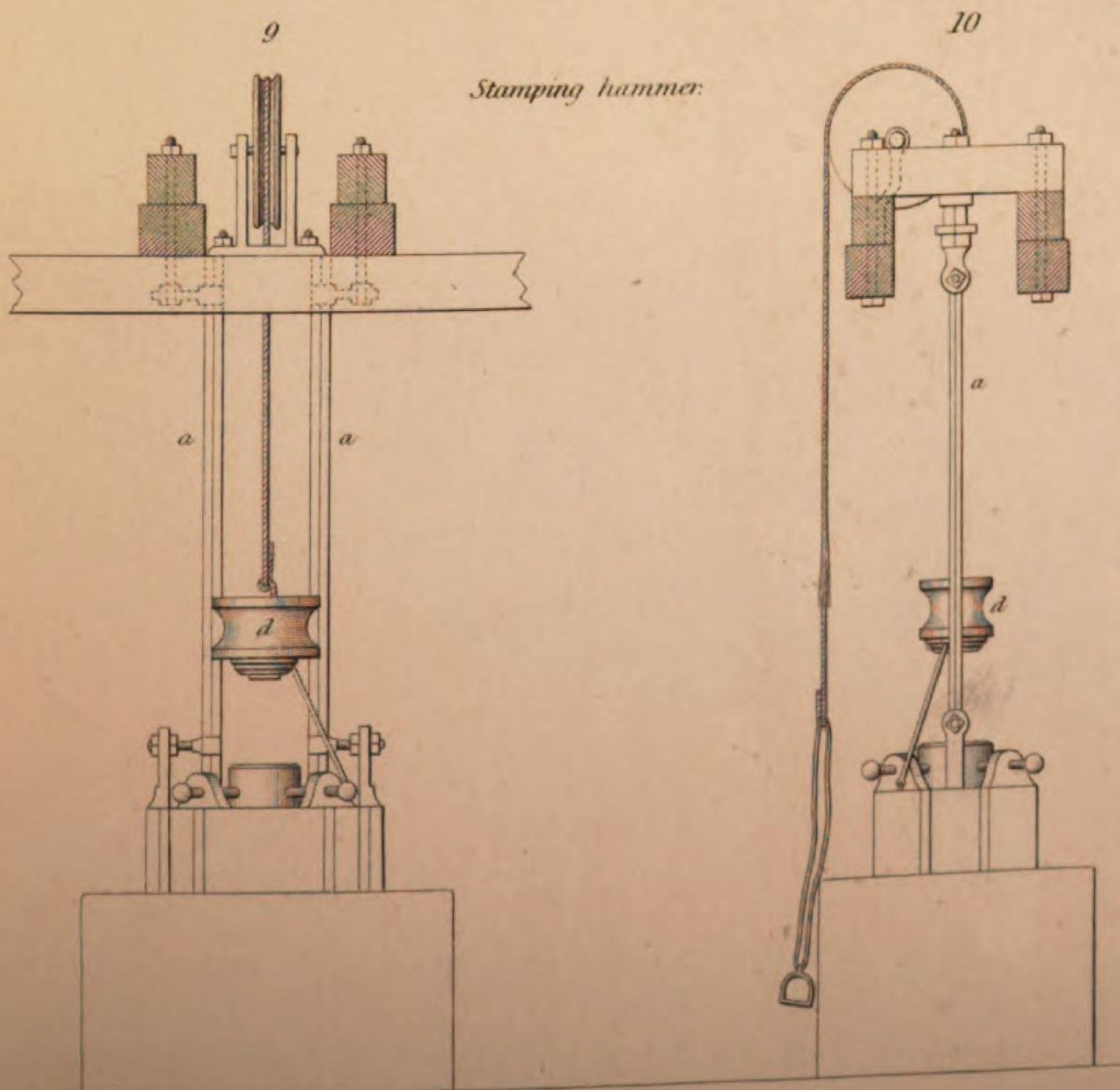
Nail making.



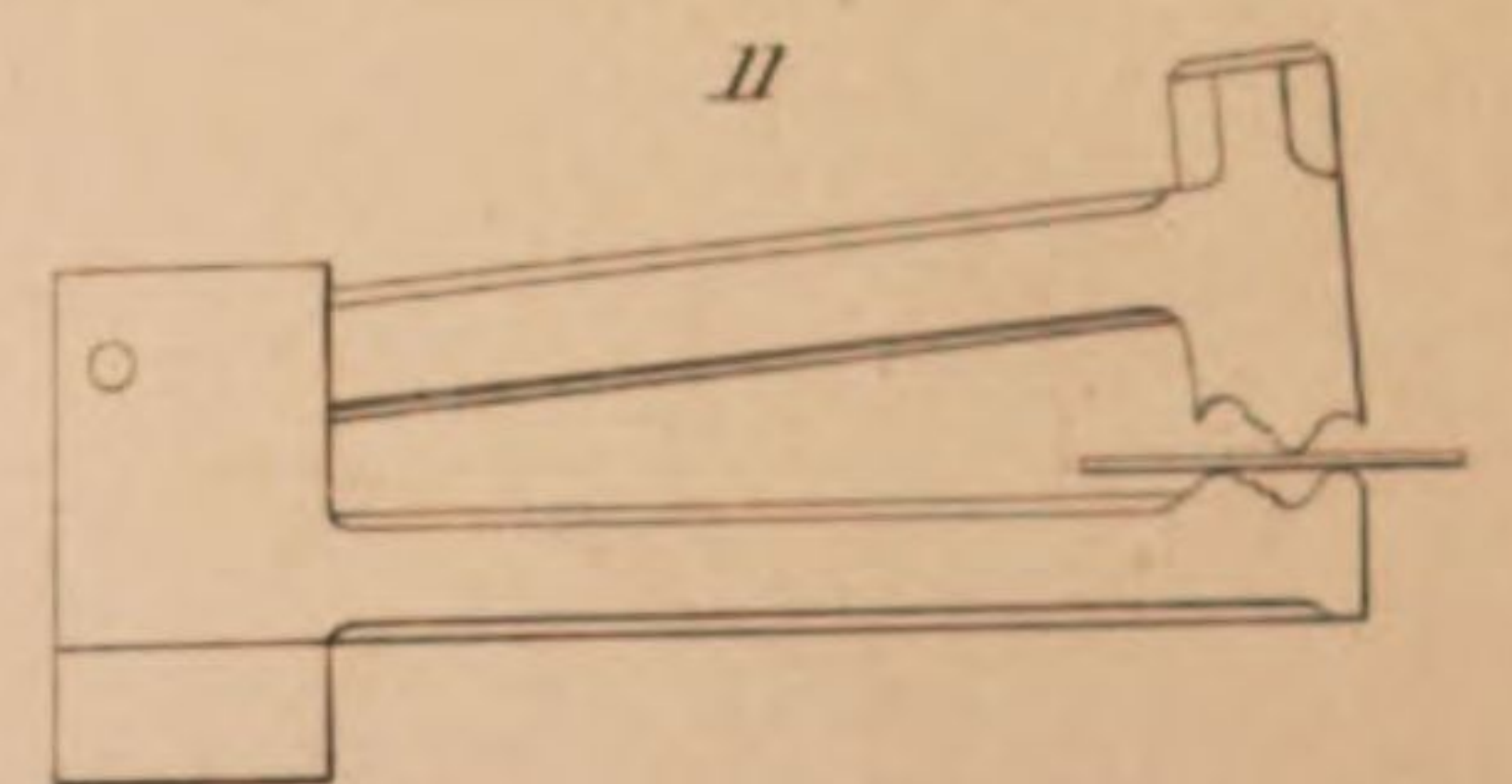
Needle grinding.



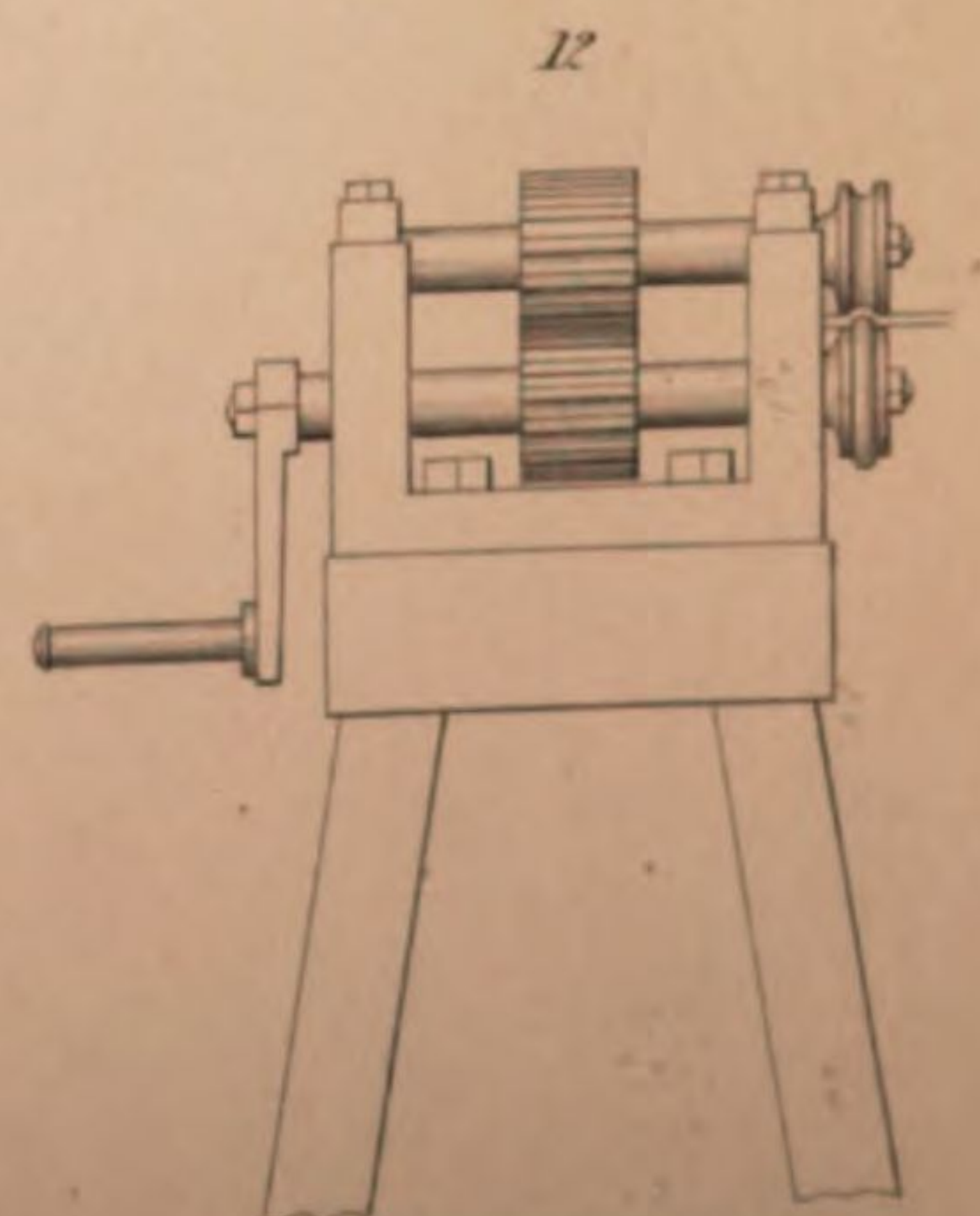
Plated Manufacture.



Swage for Beading.



Beading Roller

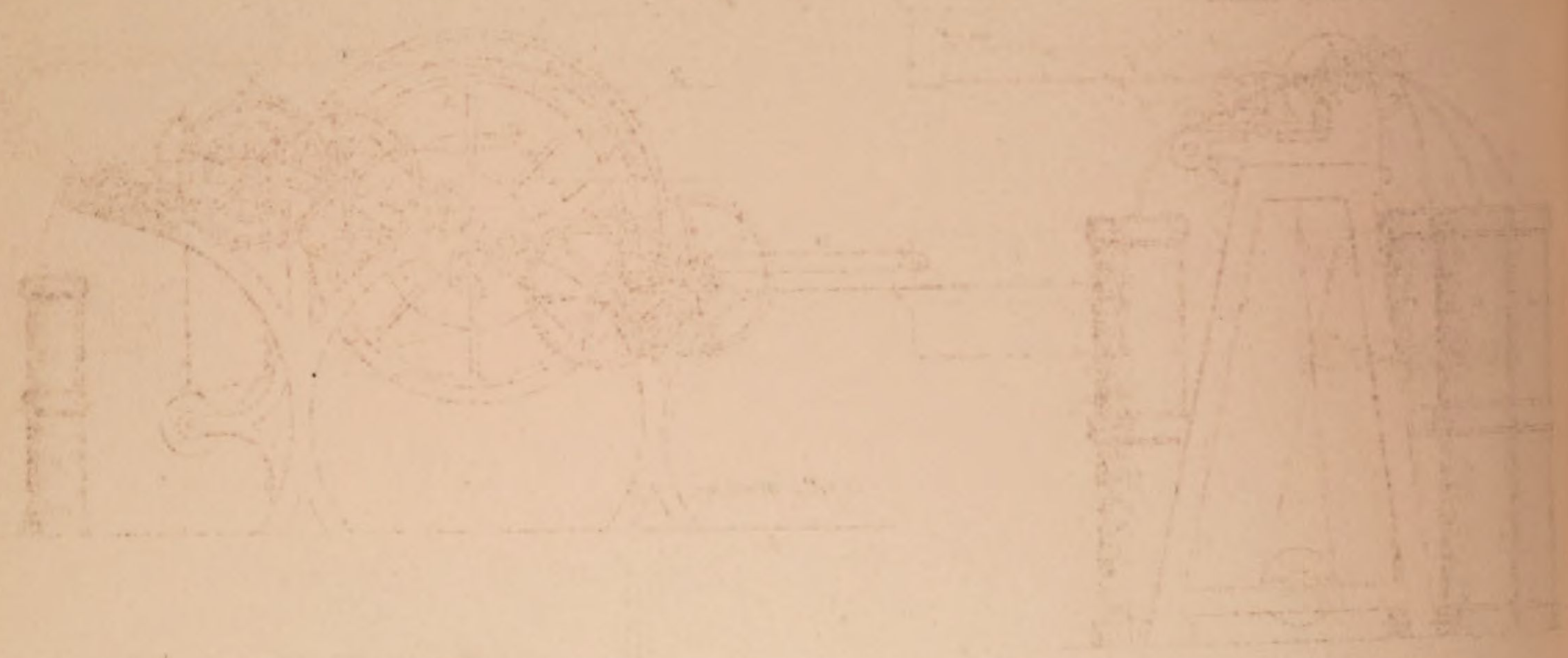


J.W. Lowry fecit

1870
1871

1872
1873

1874
1875



MANUFACTURES.

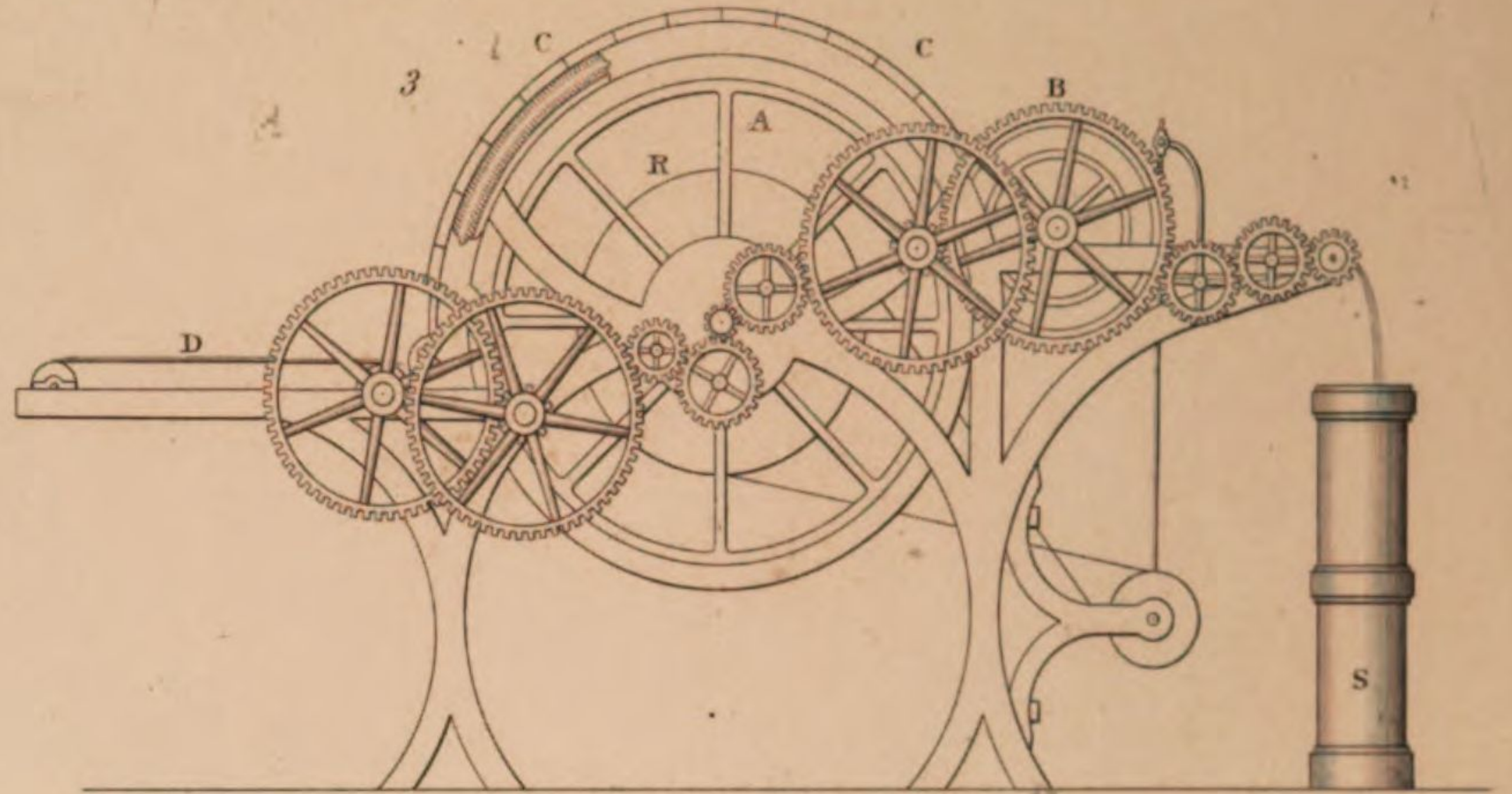
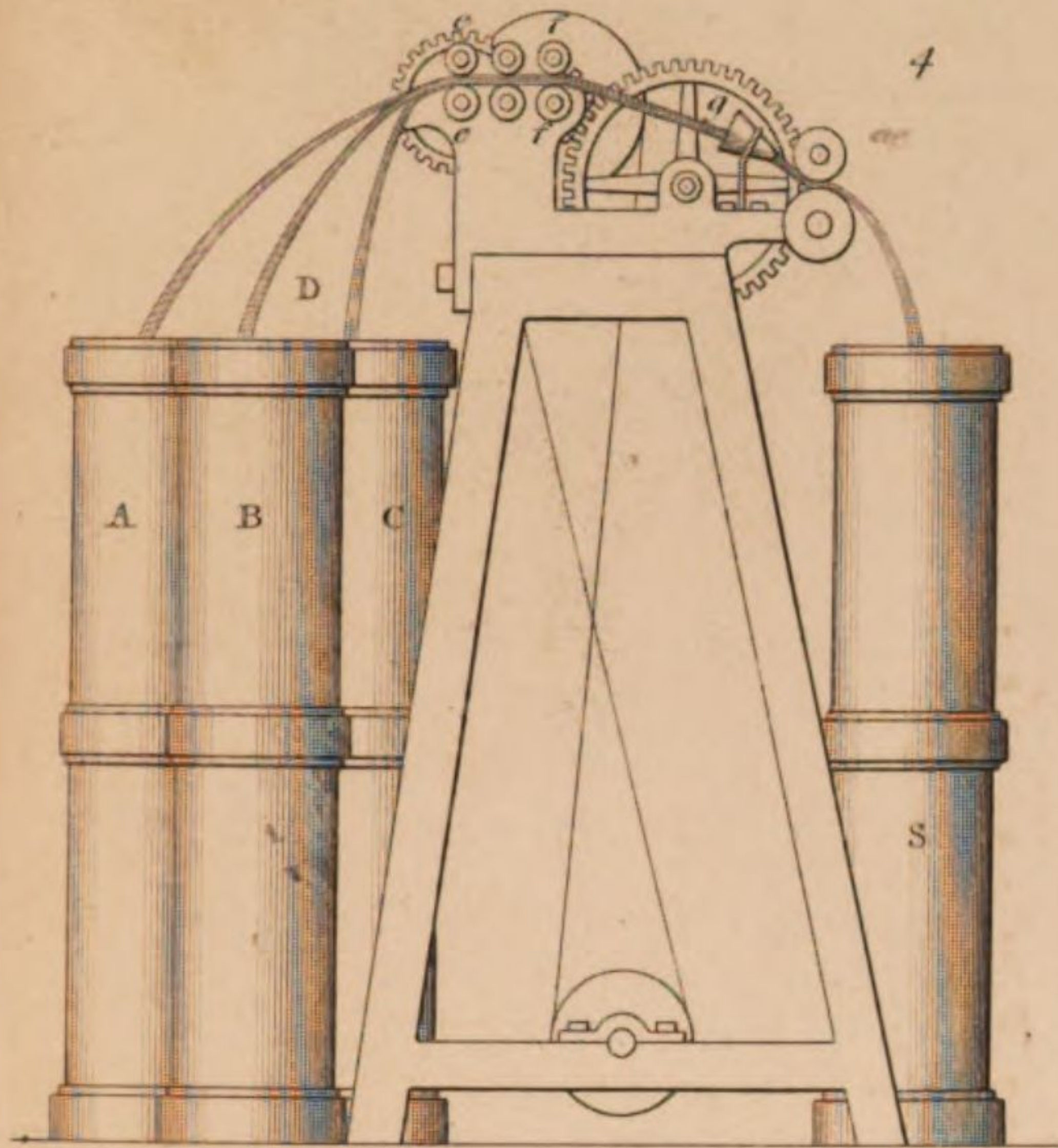
COTTON.

Carding, Roving, & Spinning.

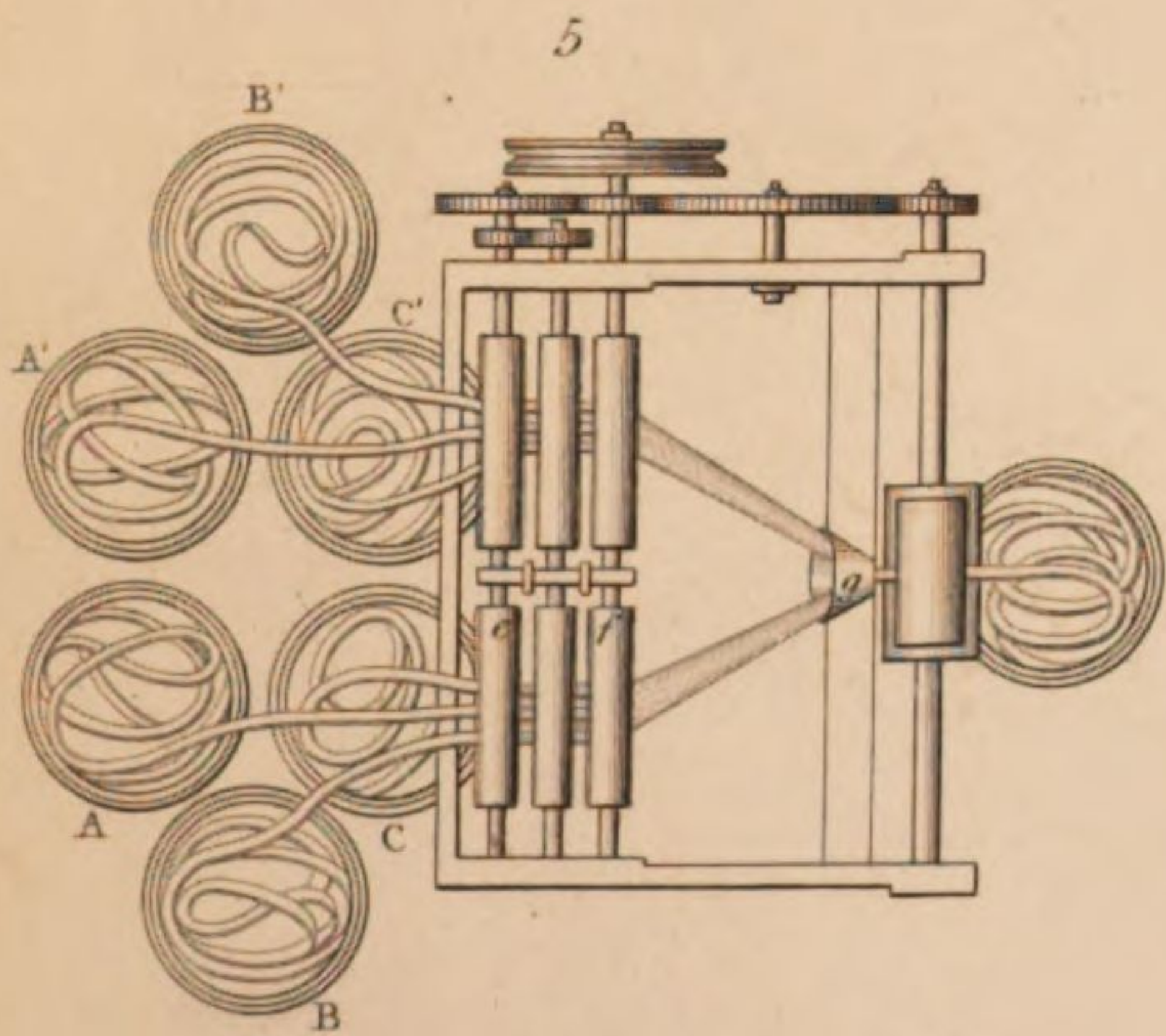
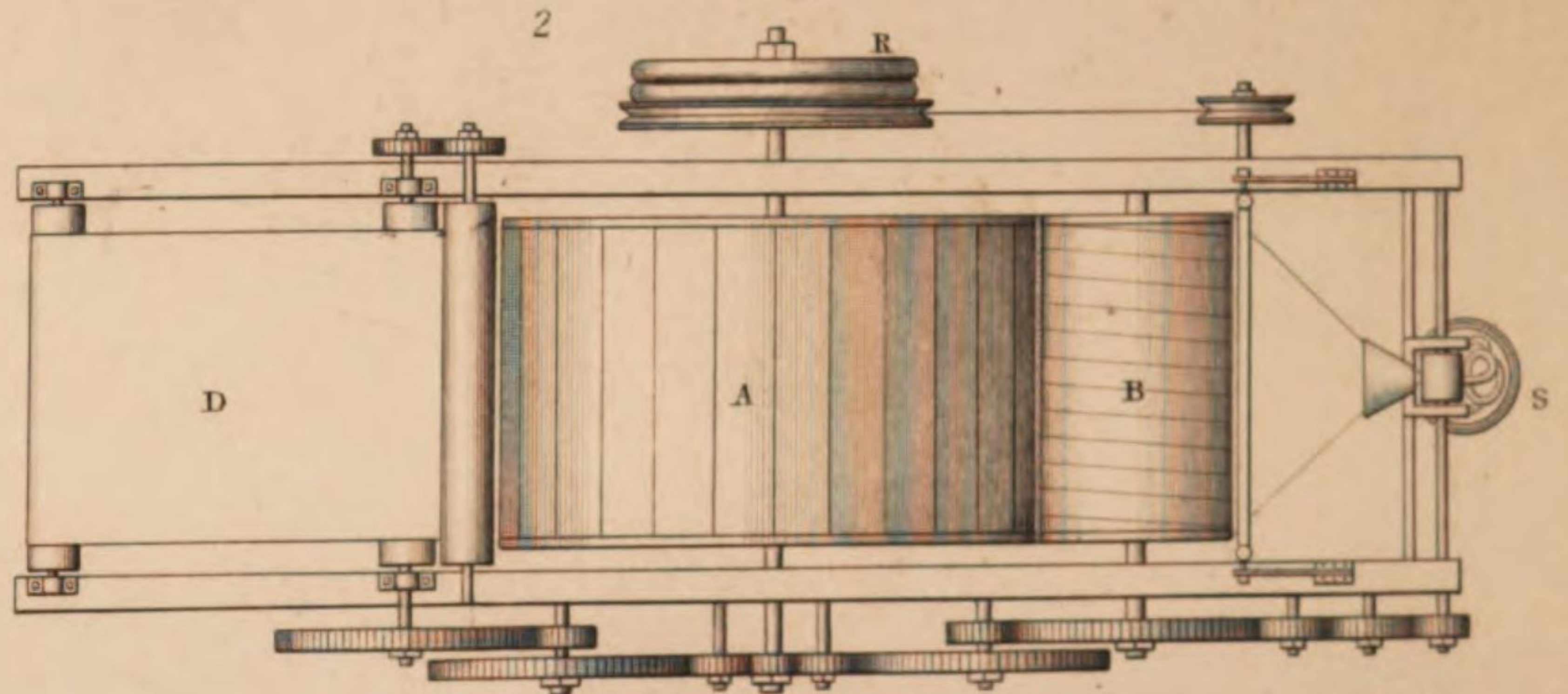
Carding Engine
(Elevation.)

PLATE LXIX.

Drawing frame.



Carding Engine.
(Plan.)

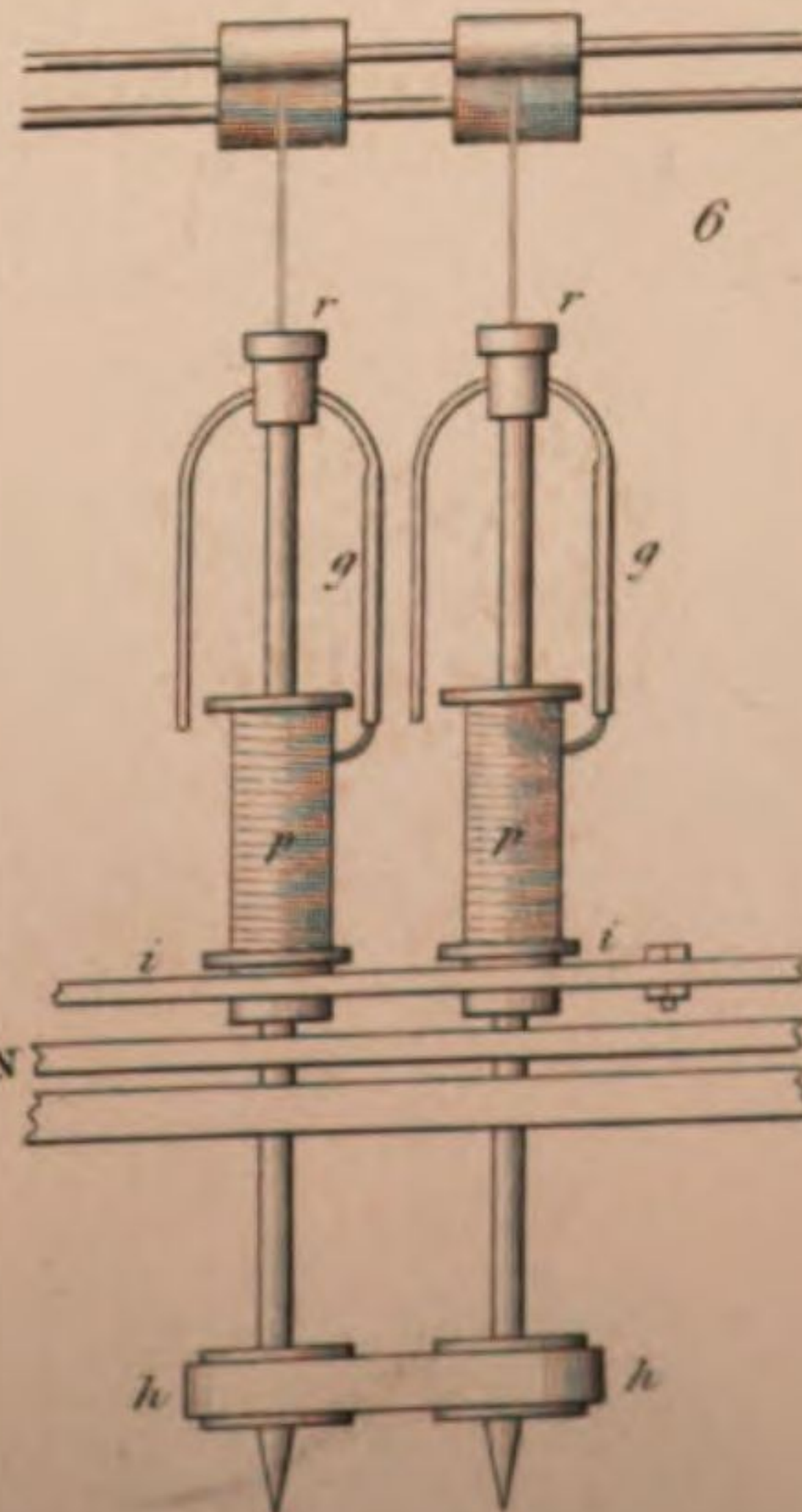


8

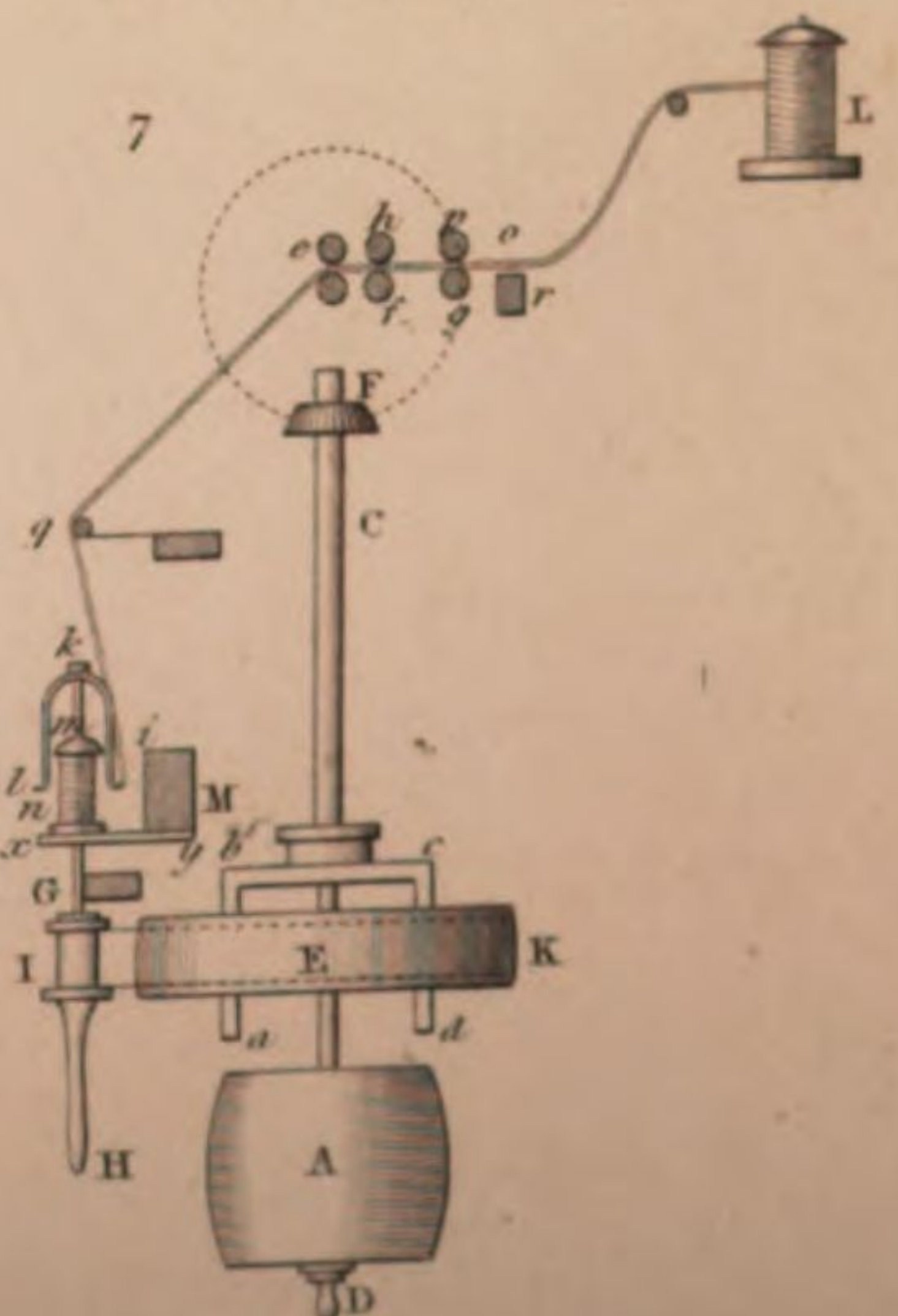
Cards 9



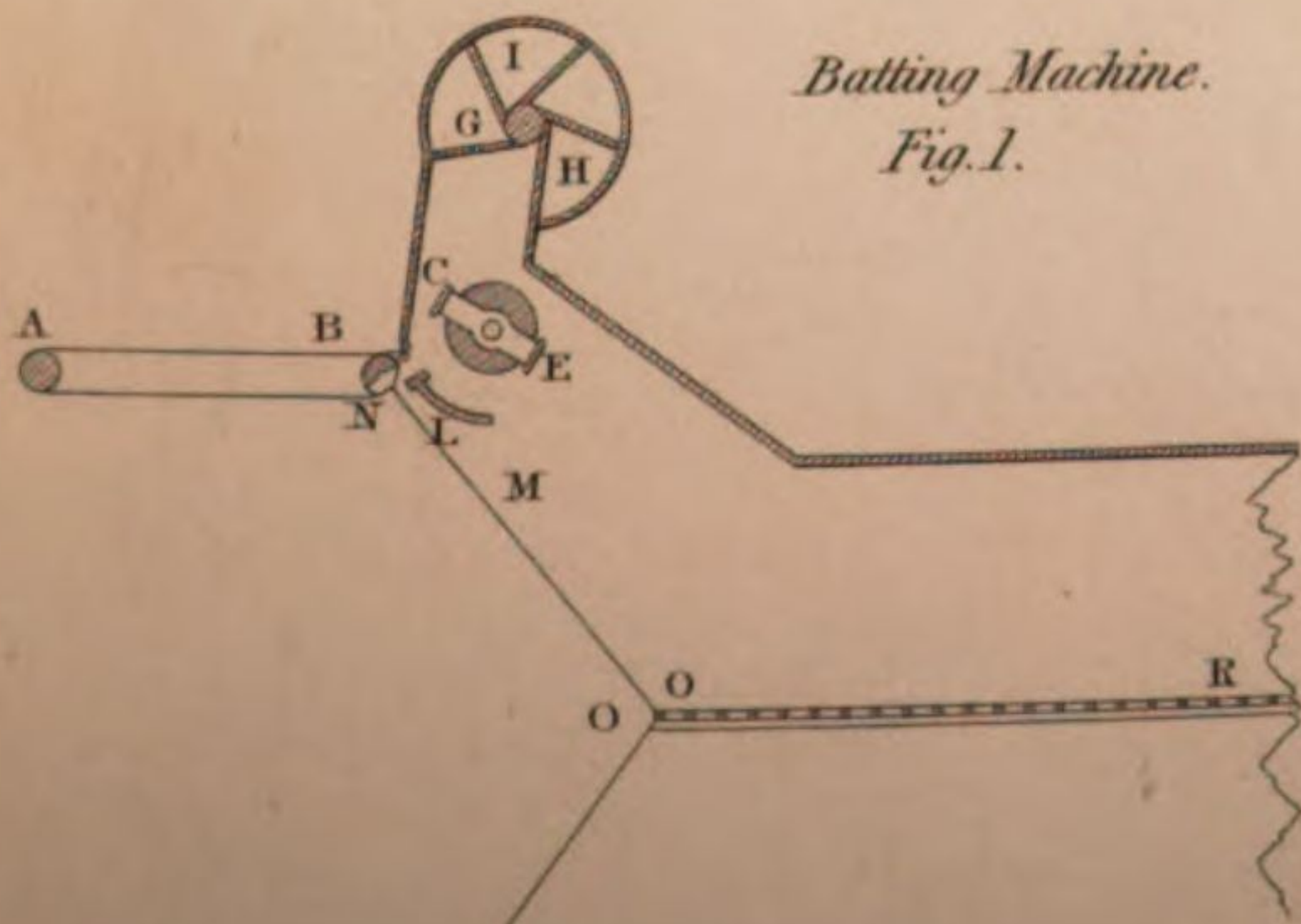
Roving

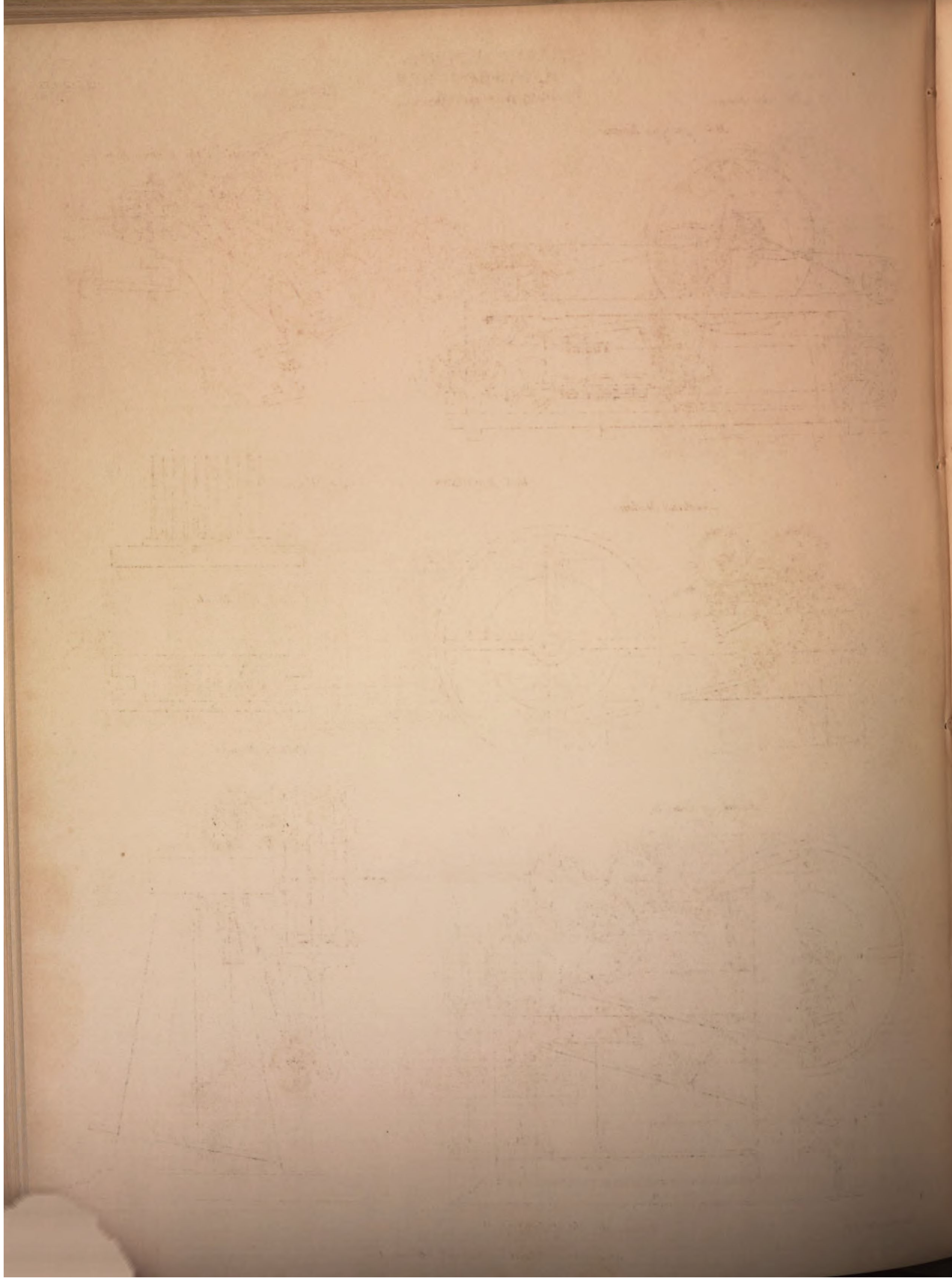


Roller and fly spinning.

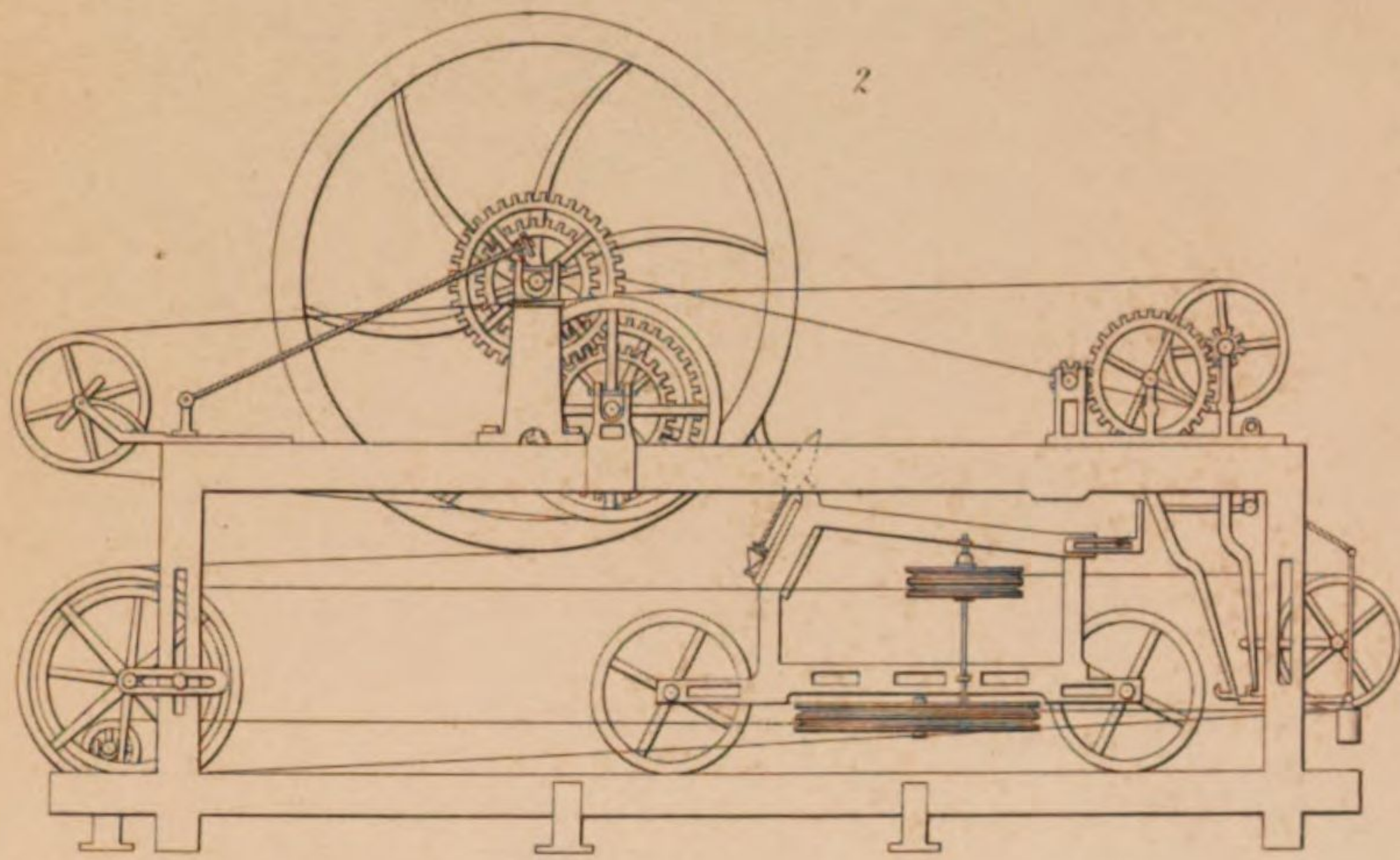


Batting Machine.
Fig. 1.

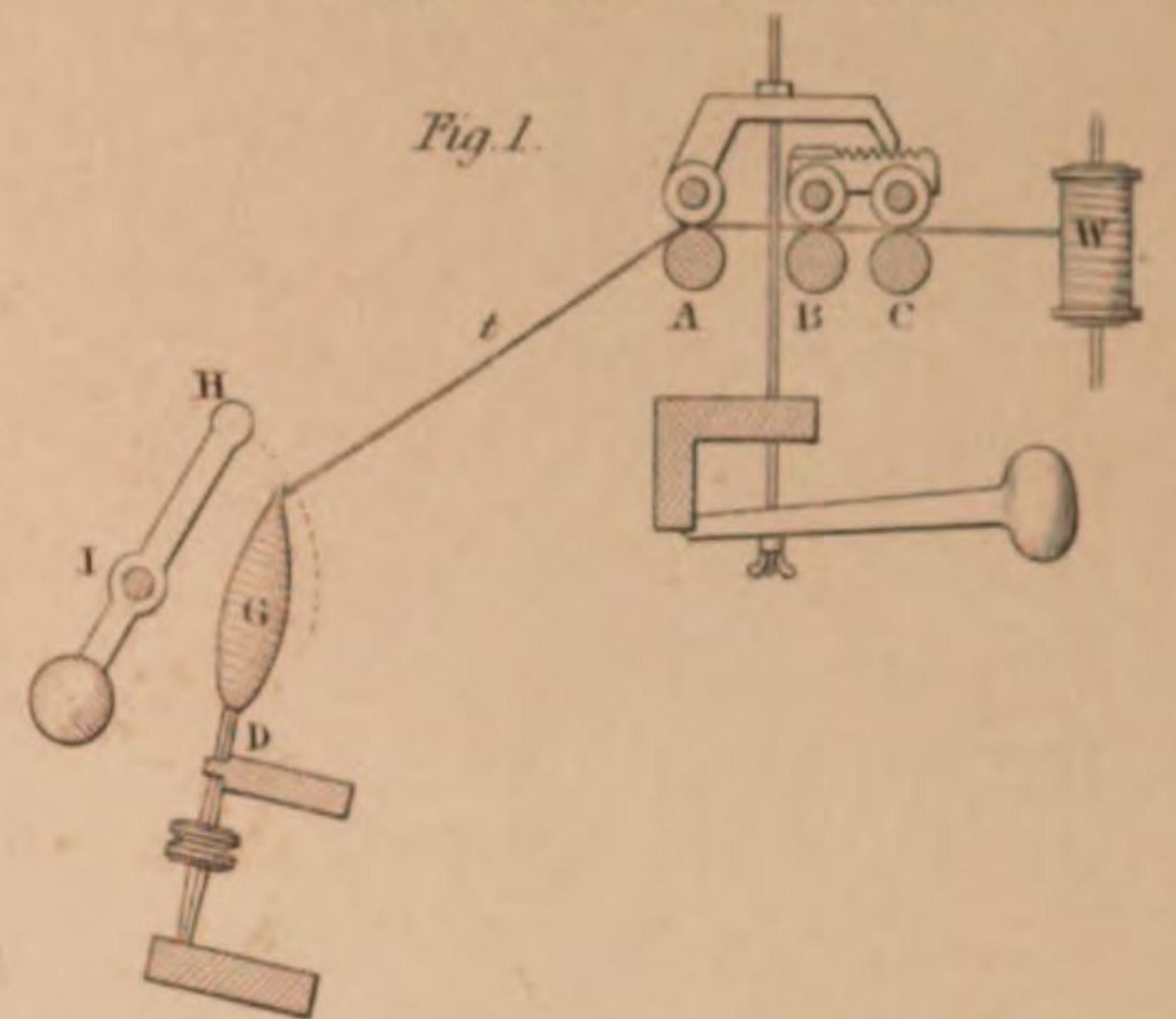




Mule spinning Engine.

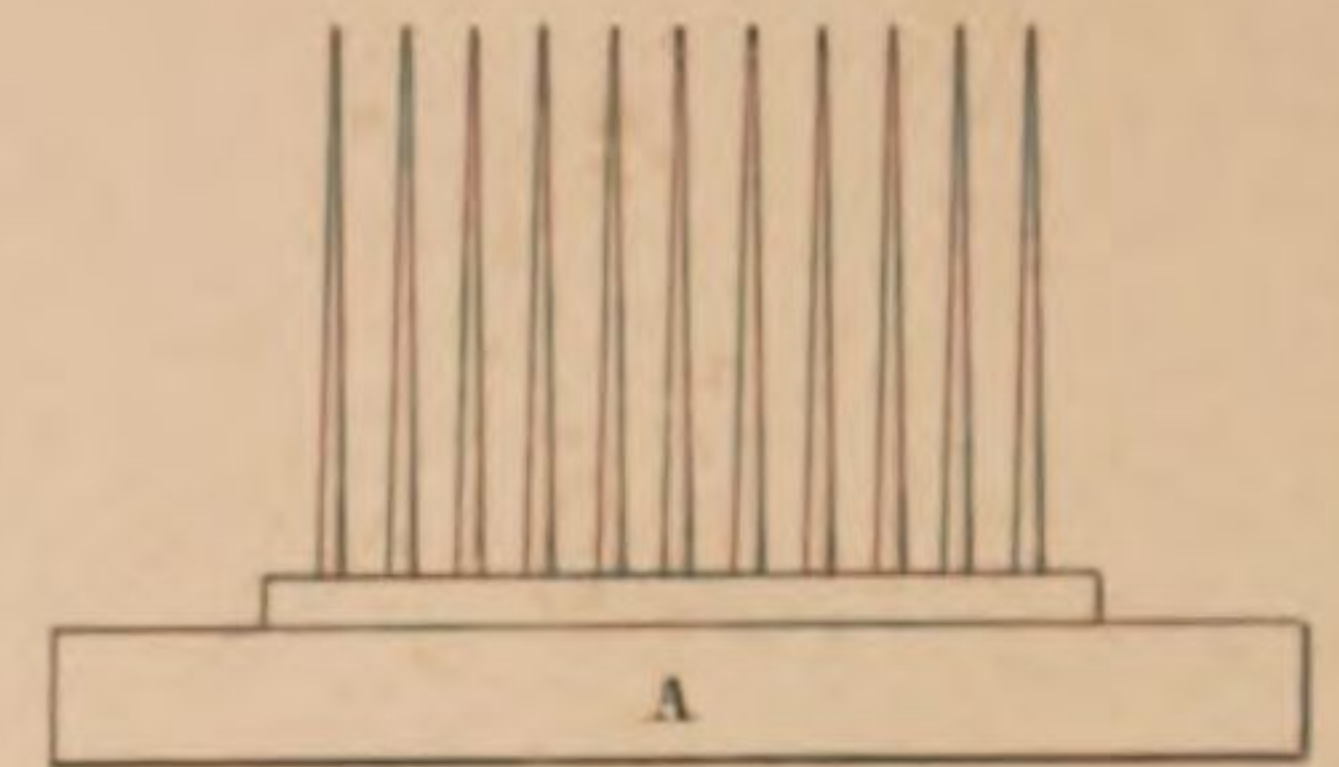
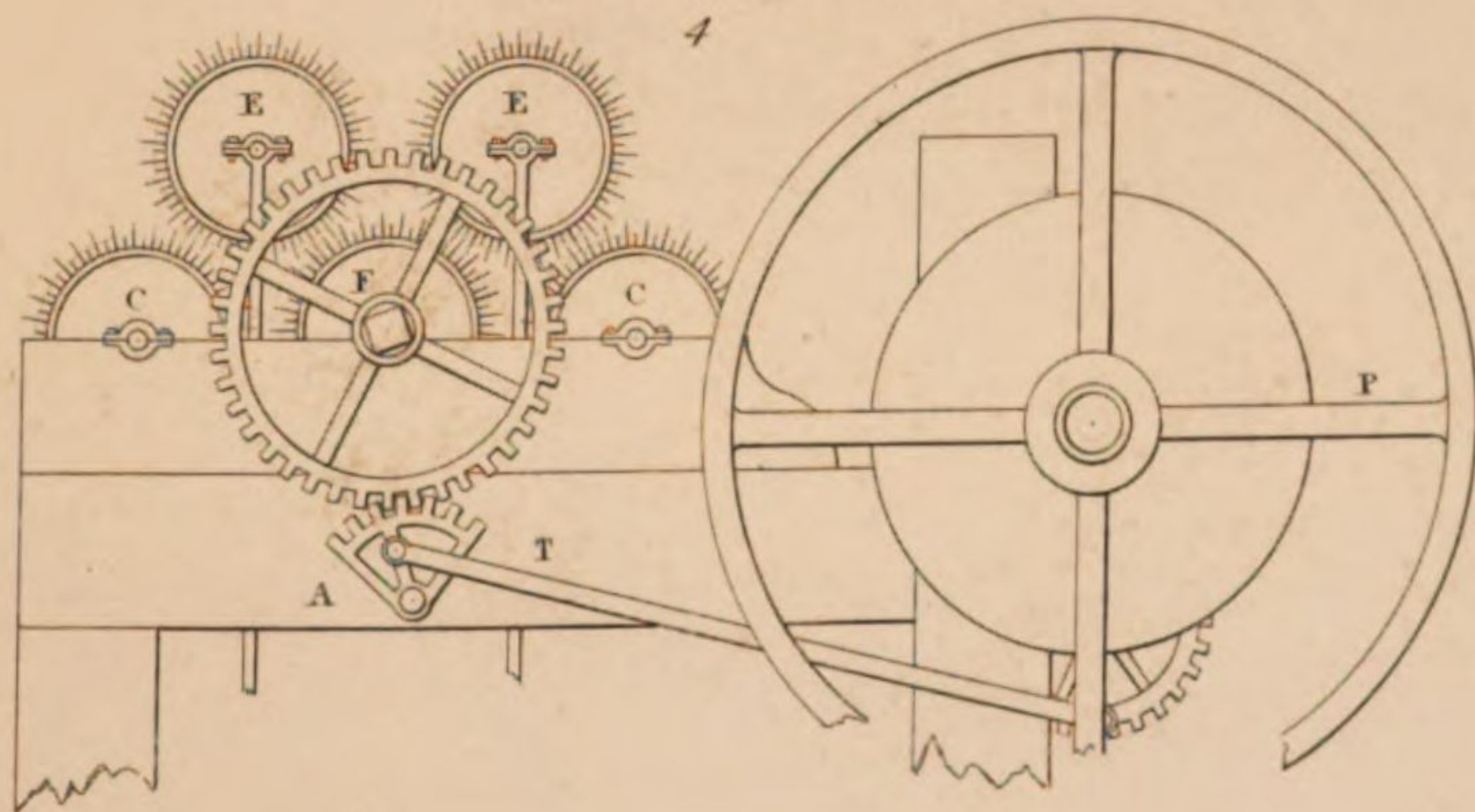


Principle of the Common Mule.



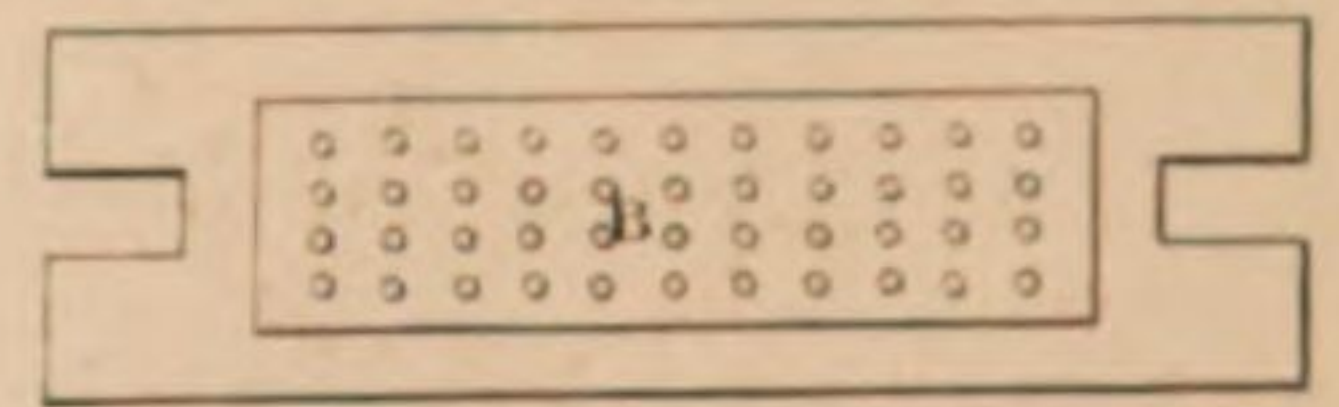
FLAX MACHINES.

Breaking Machine.



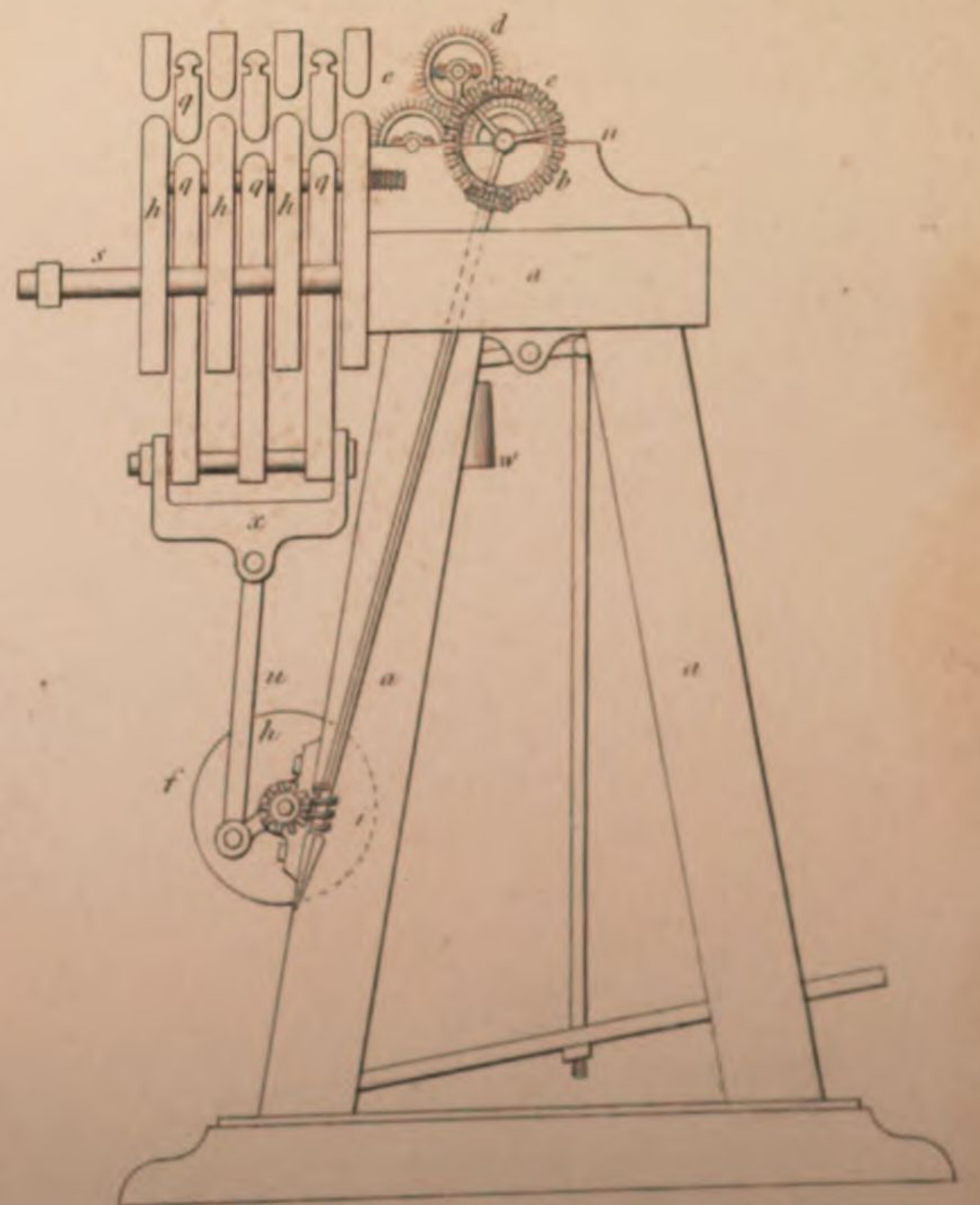
Hackle.

7



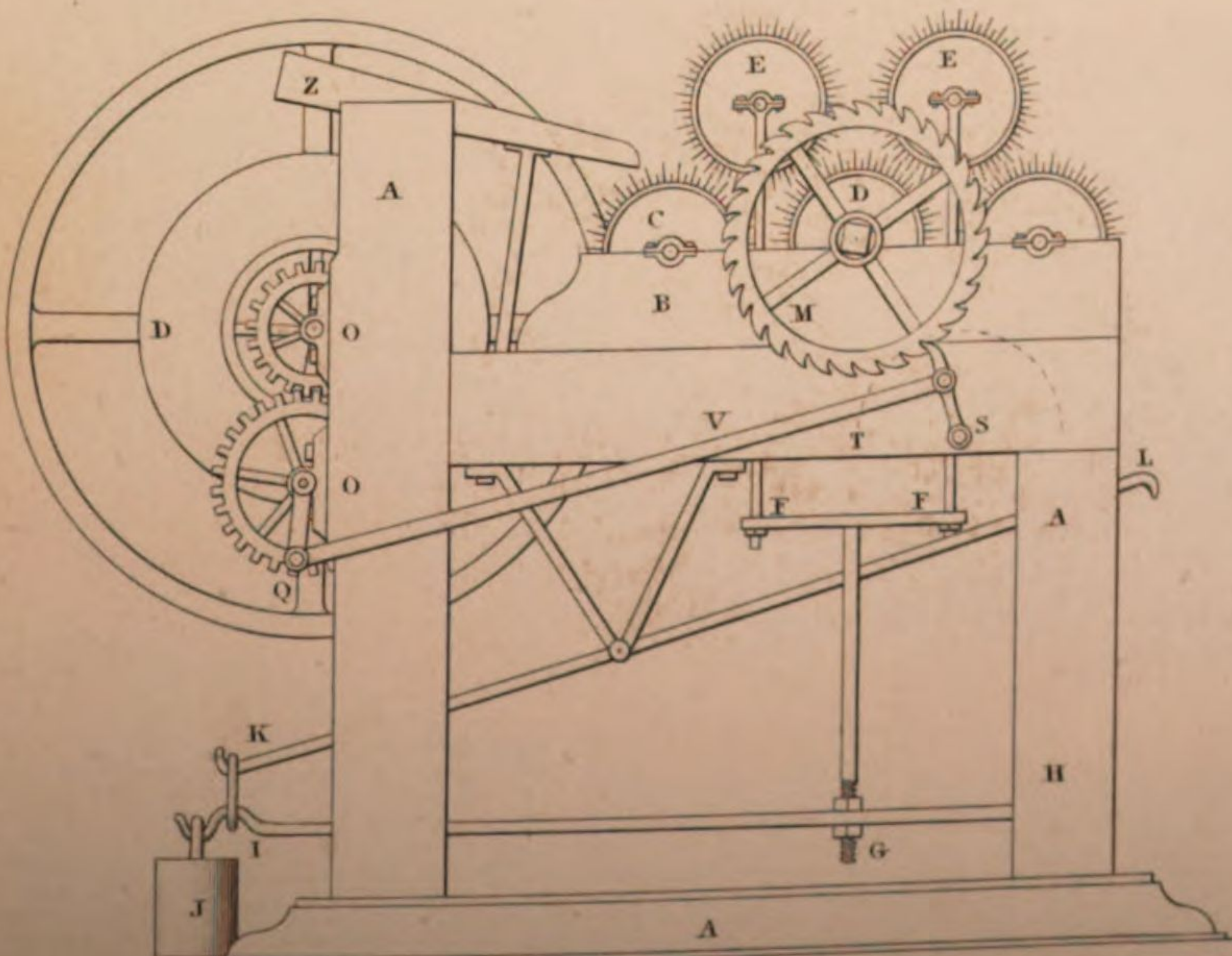
Rubbing Machine.

5



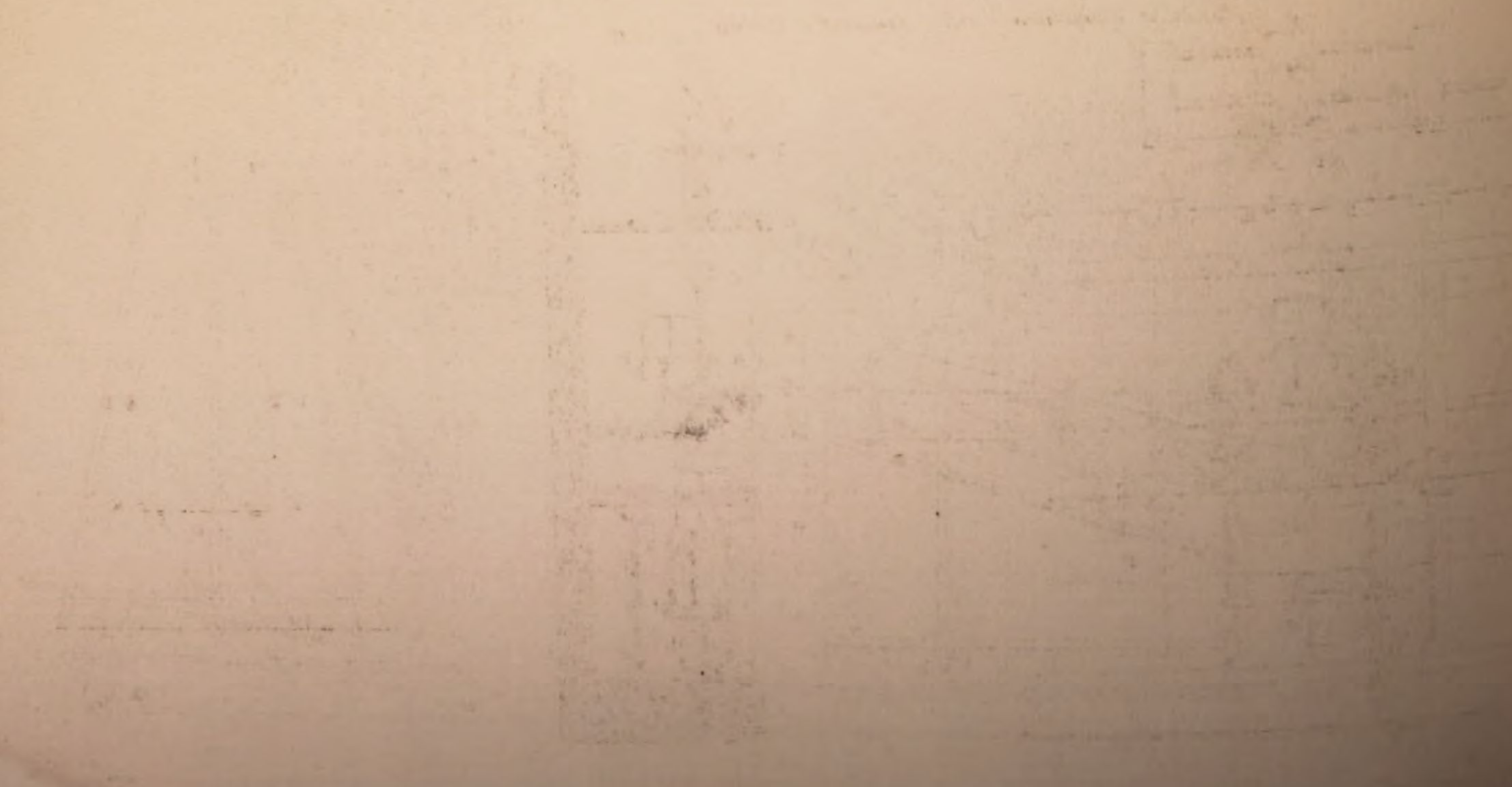
Breaking Machine.

3



J.W. Lowry fecit.

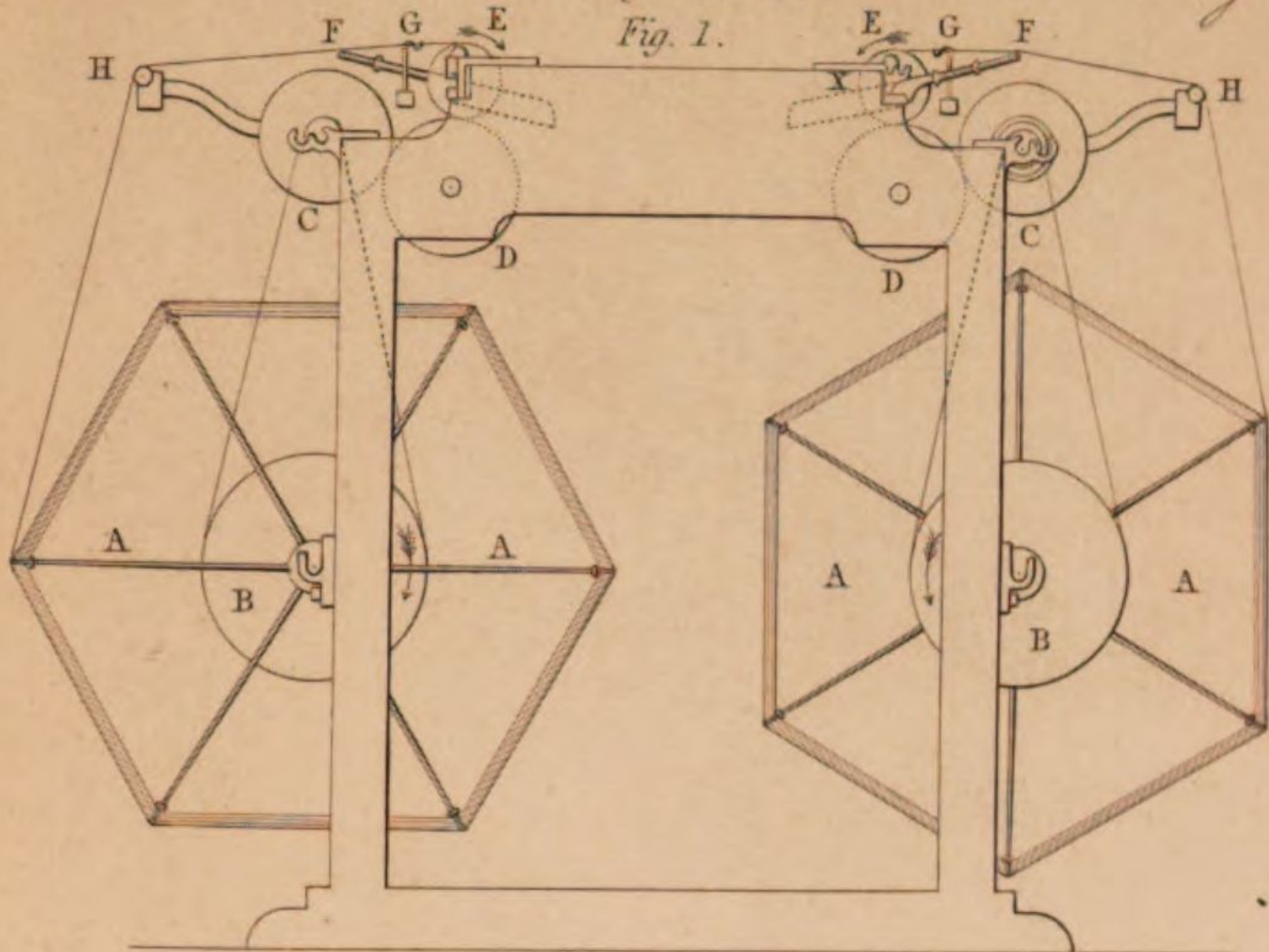
Geometric Diagrams



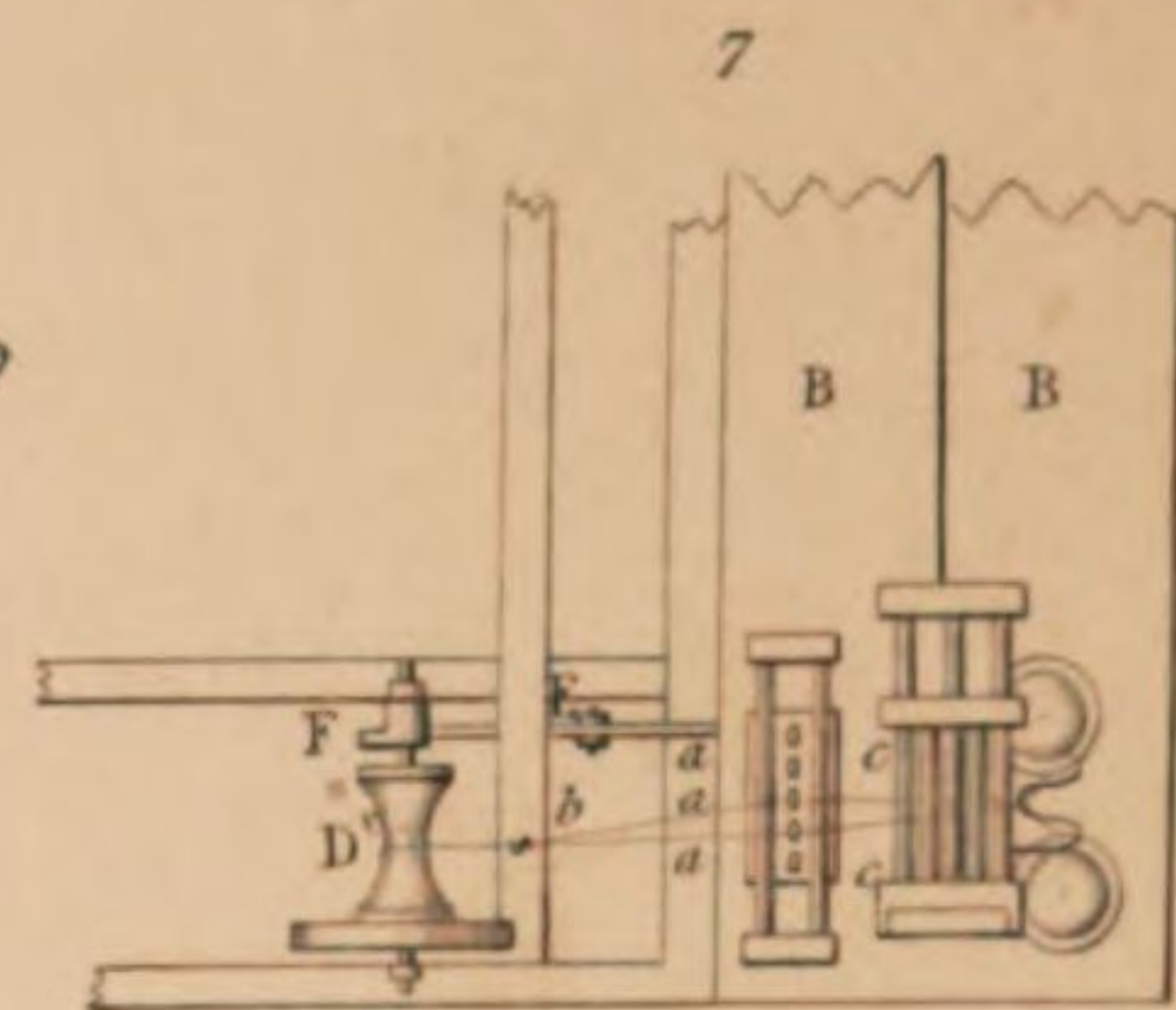
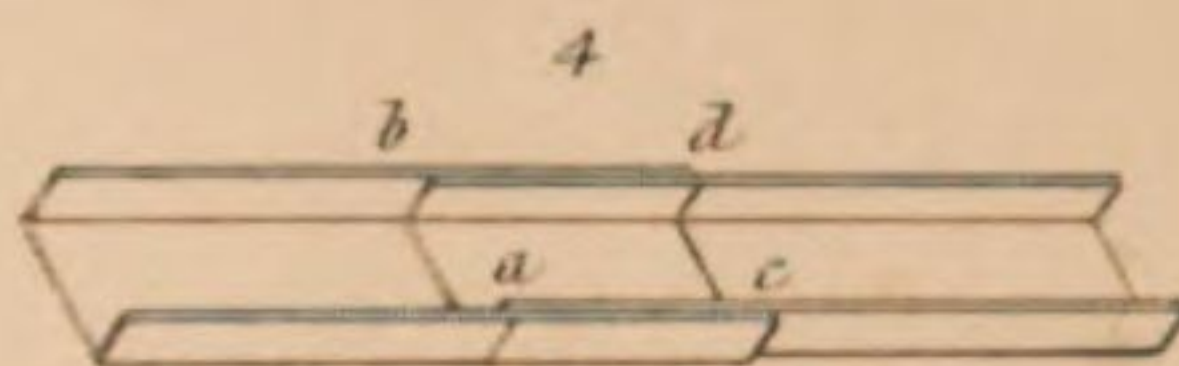
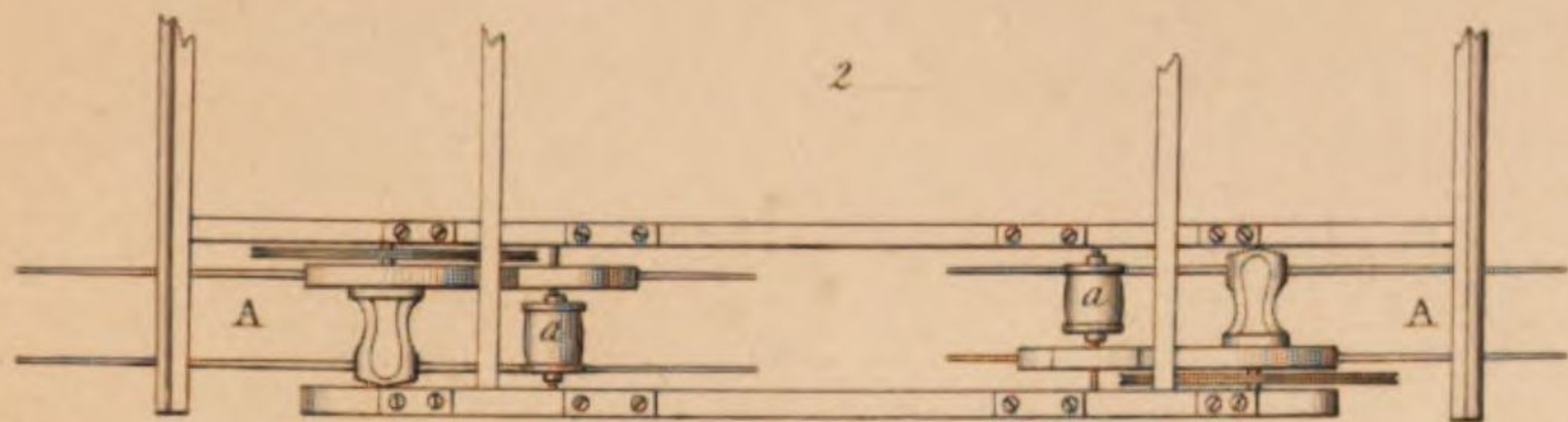
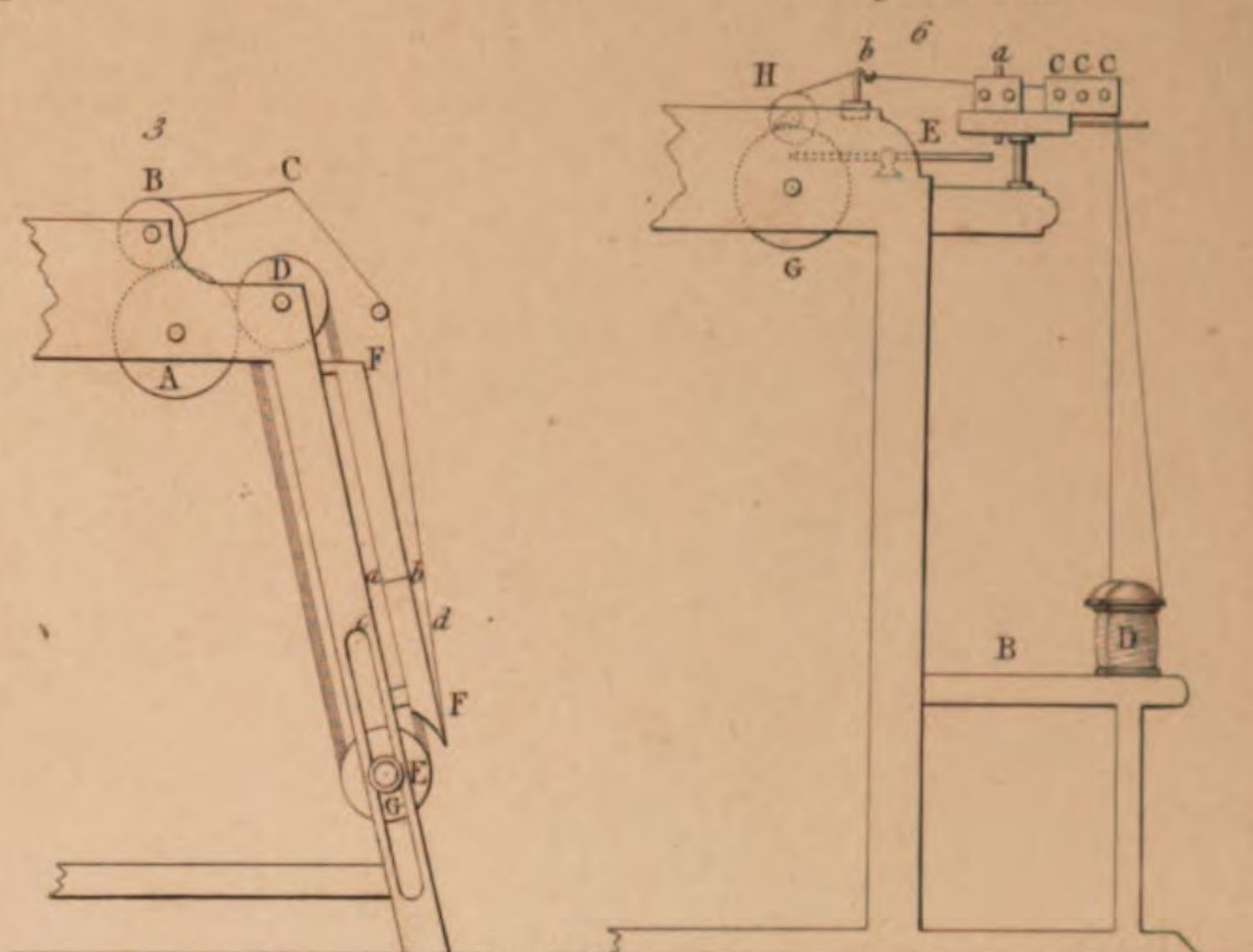
Doubling Spinning &c.

Winding Machine.

Fig. 1.

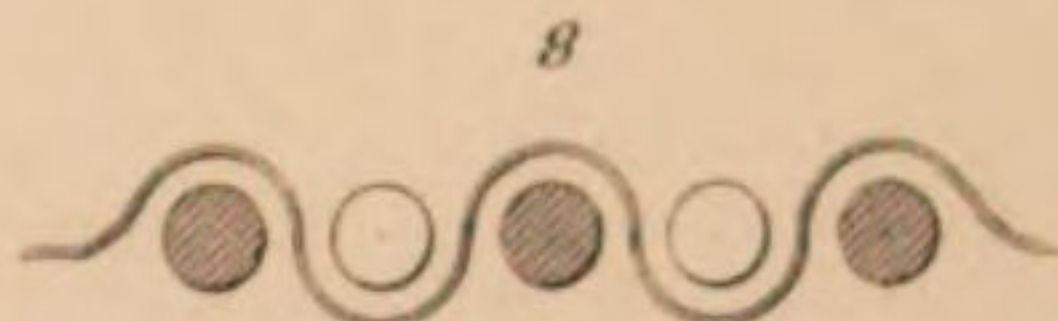
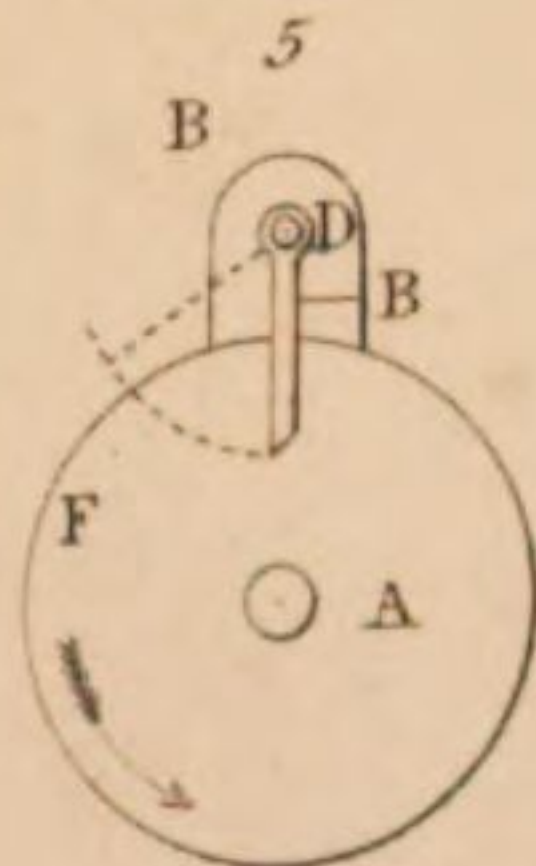
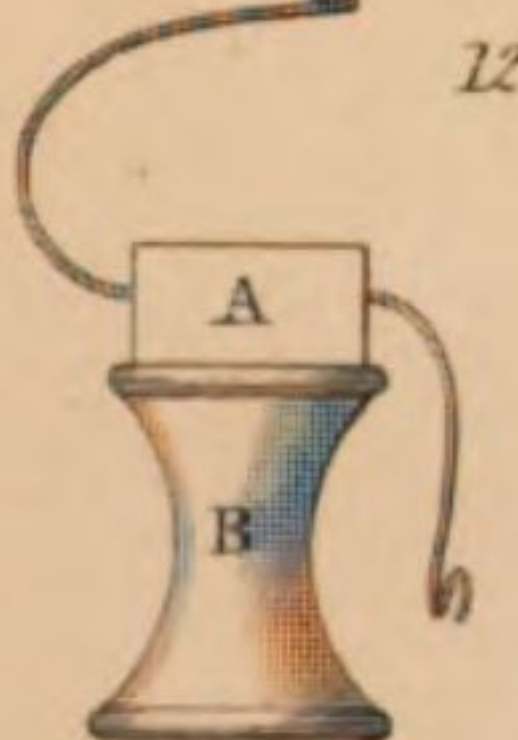


Doubling Machine.

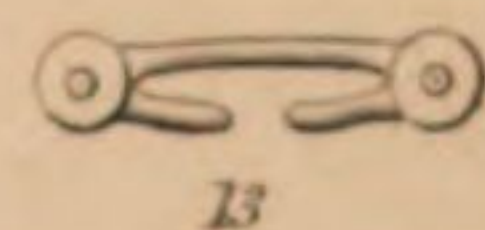


Old Bobbin.

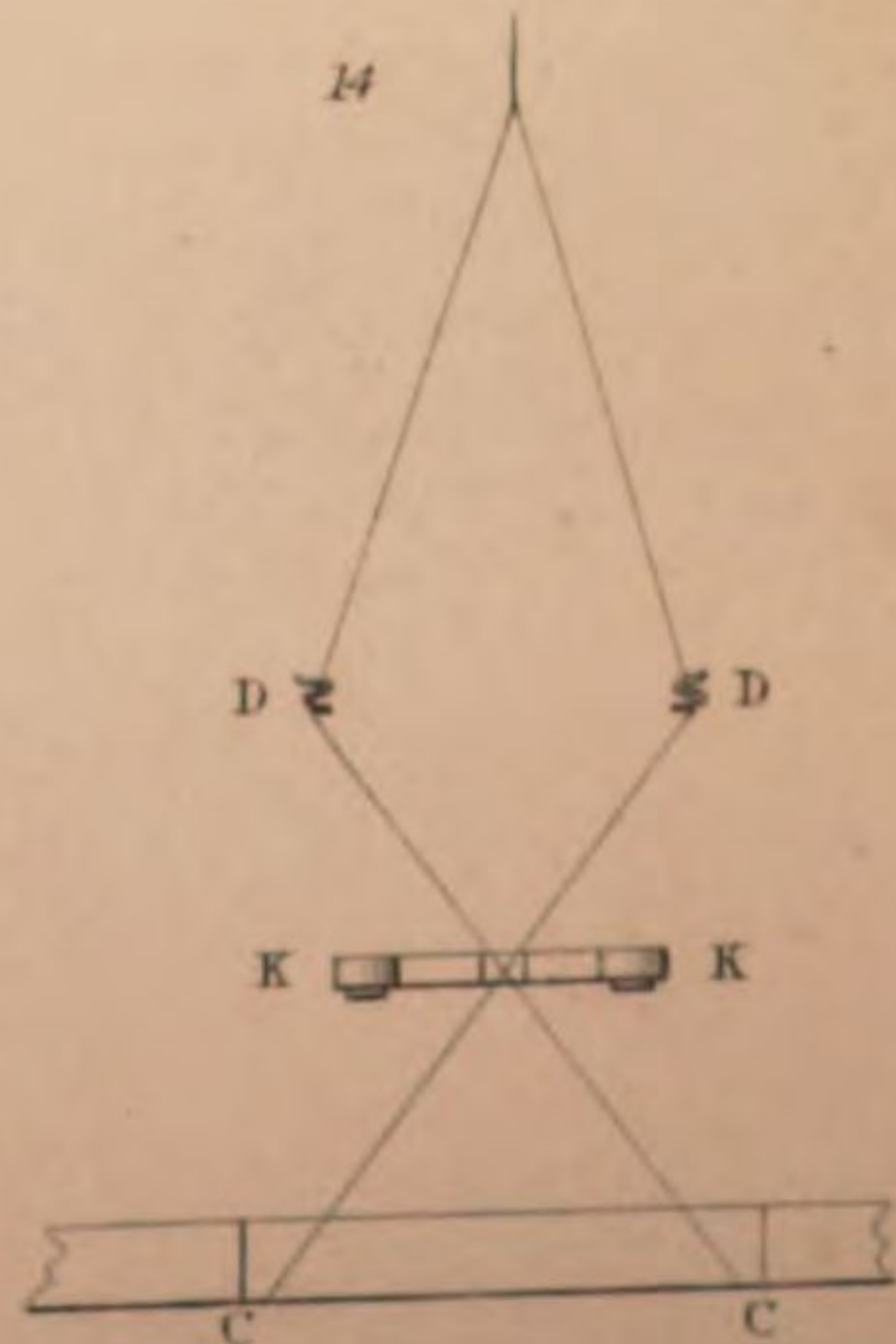
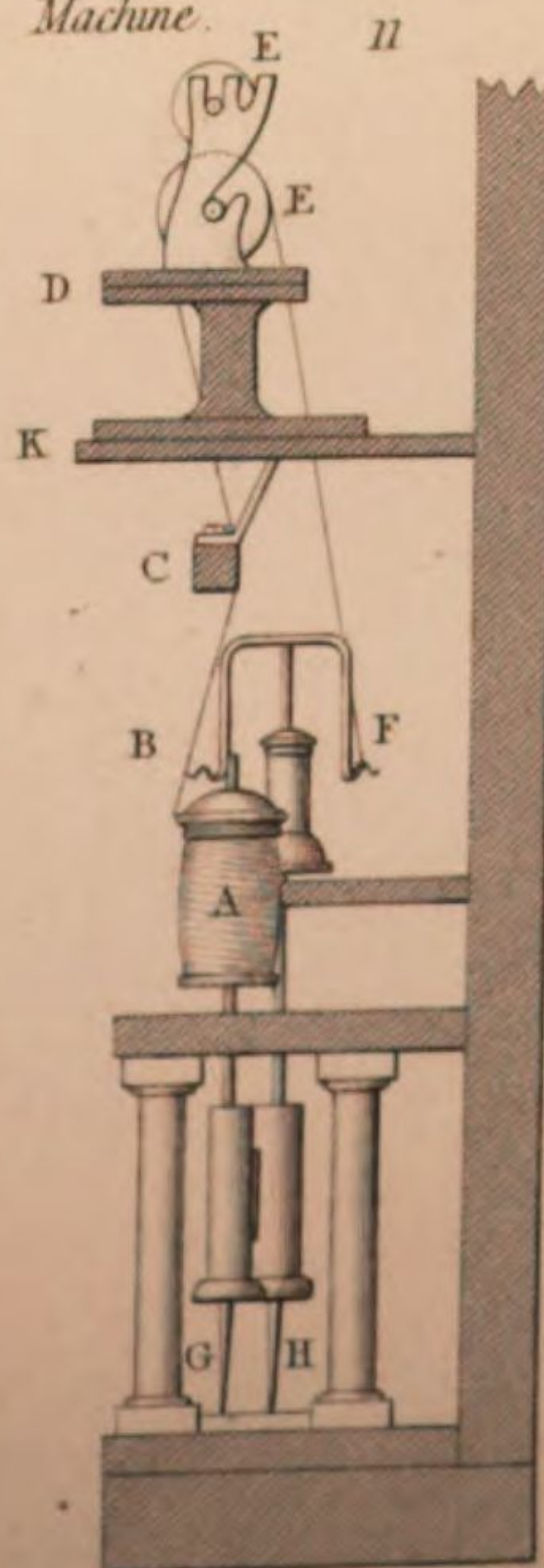
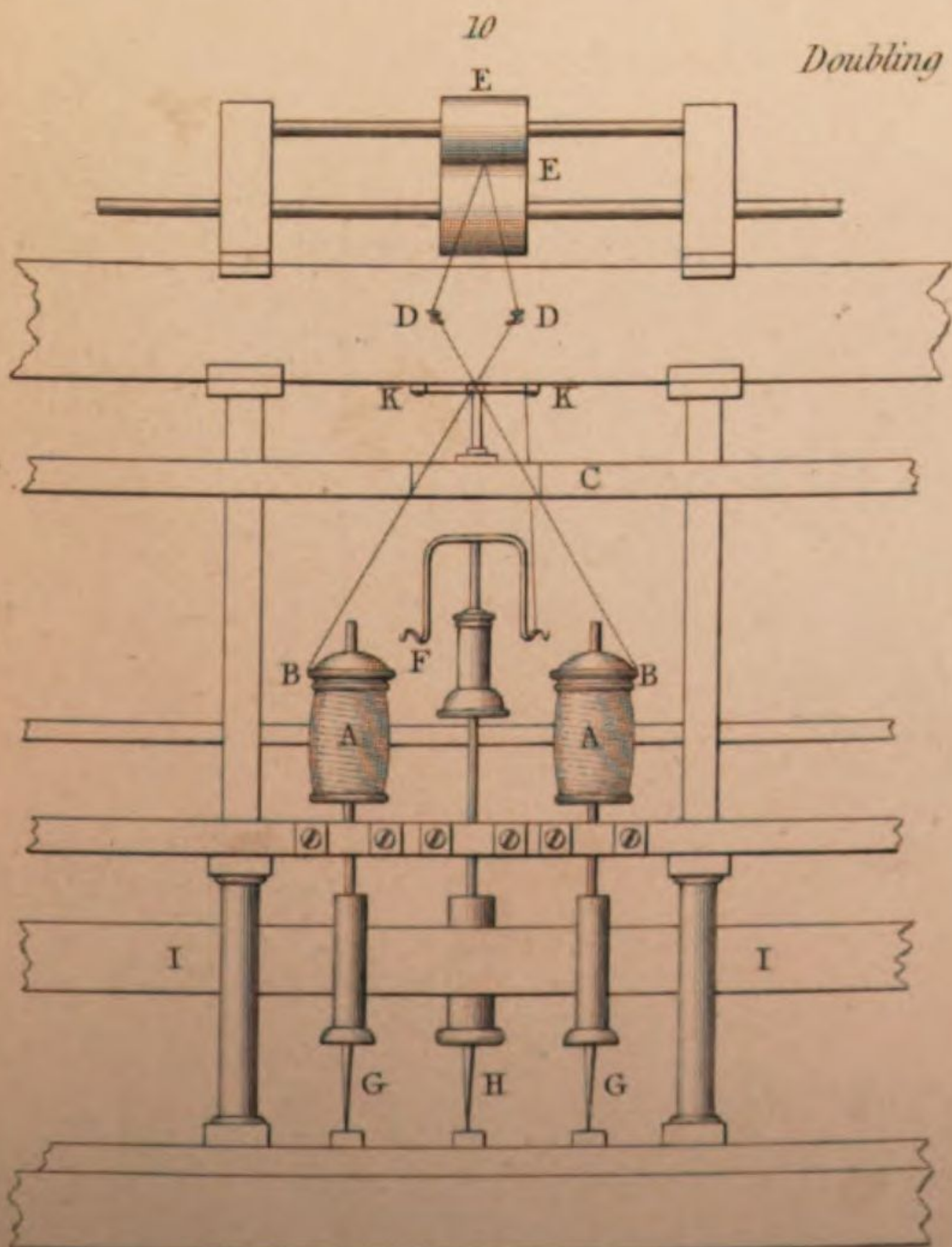
Waste preventer.



Cutter.



Doubling and Spinning Machine.



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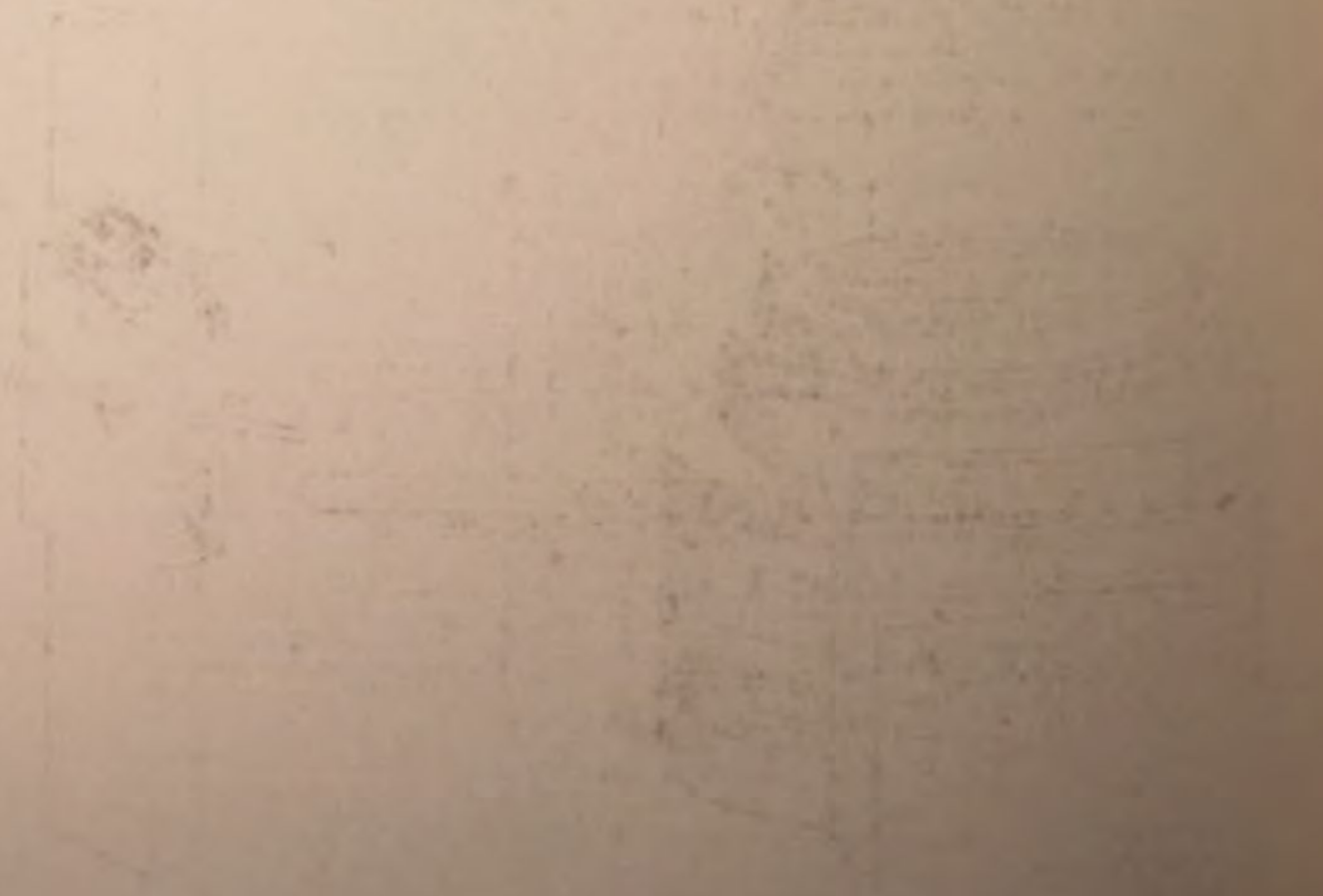
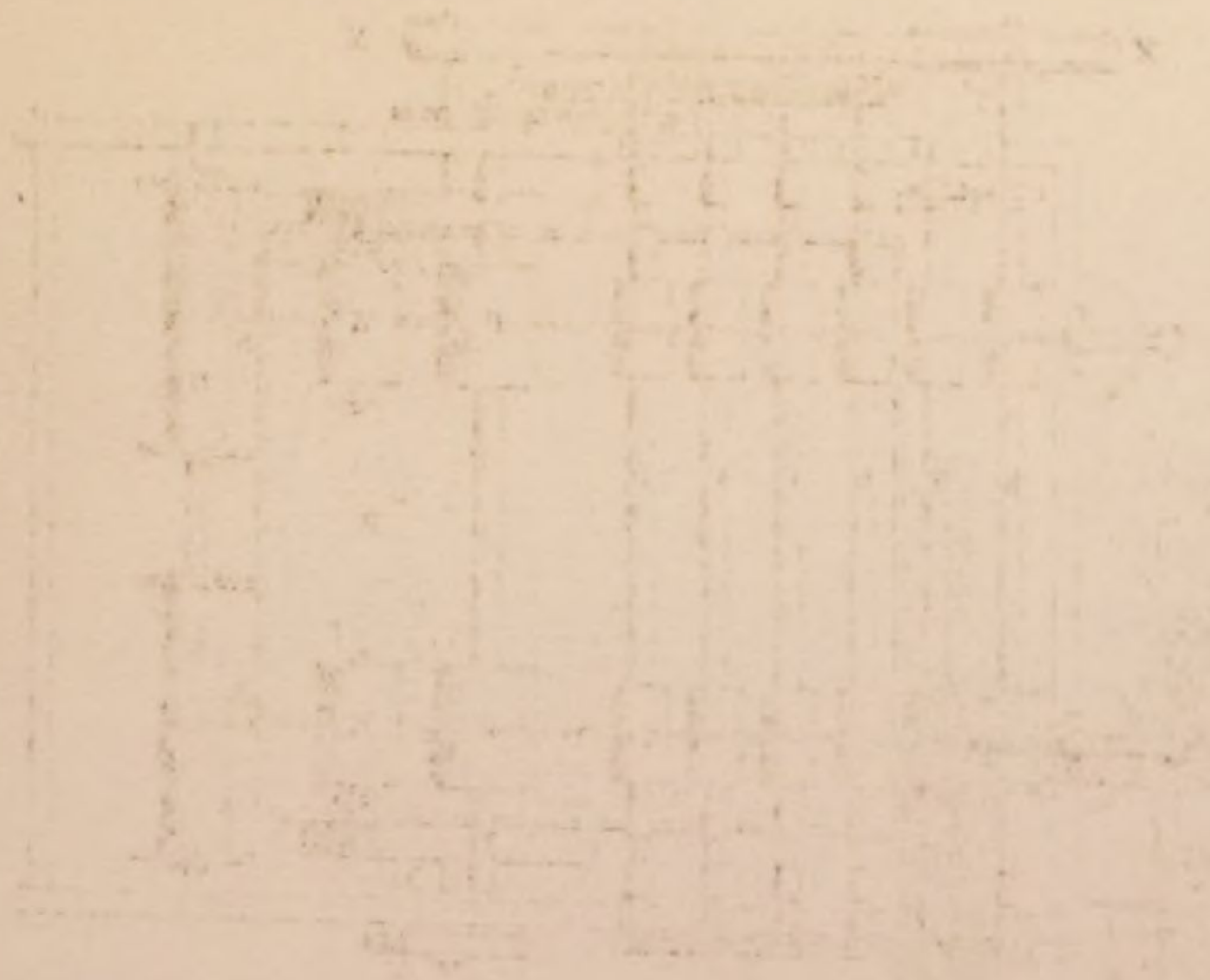
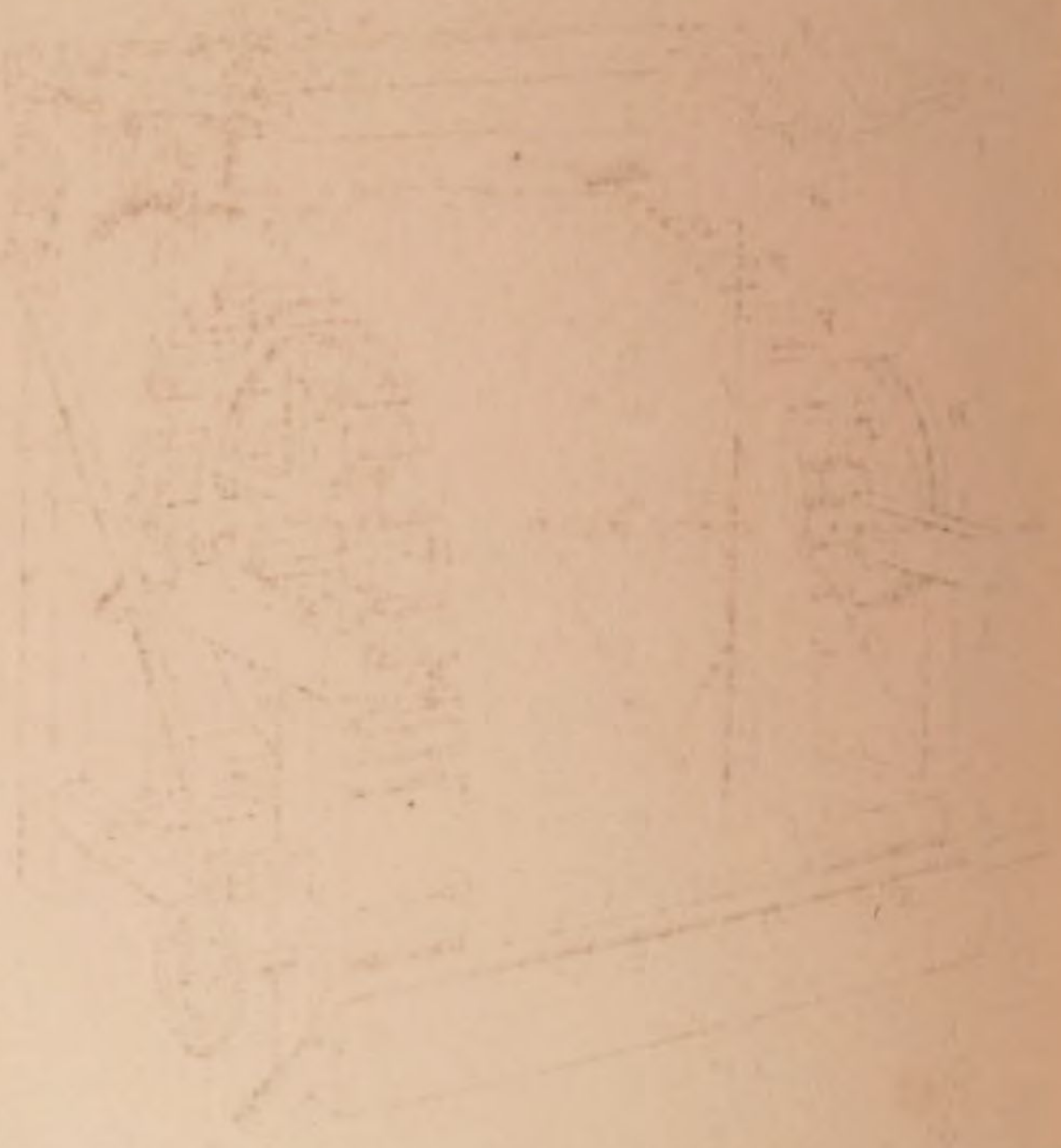
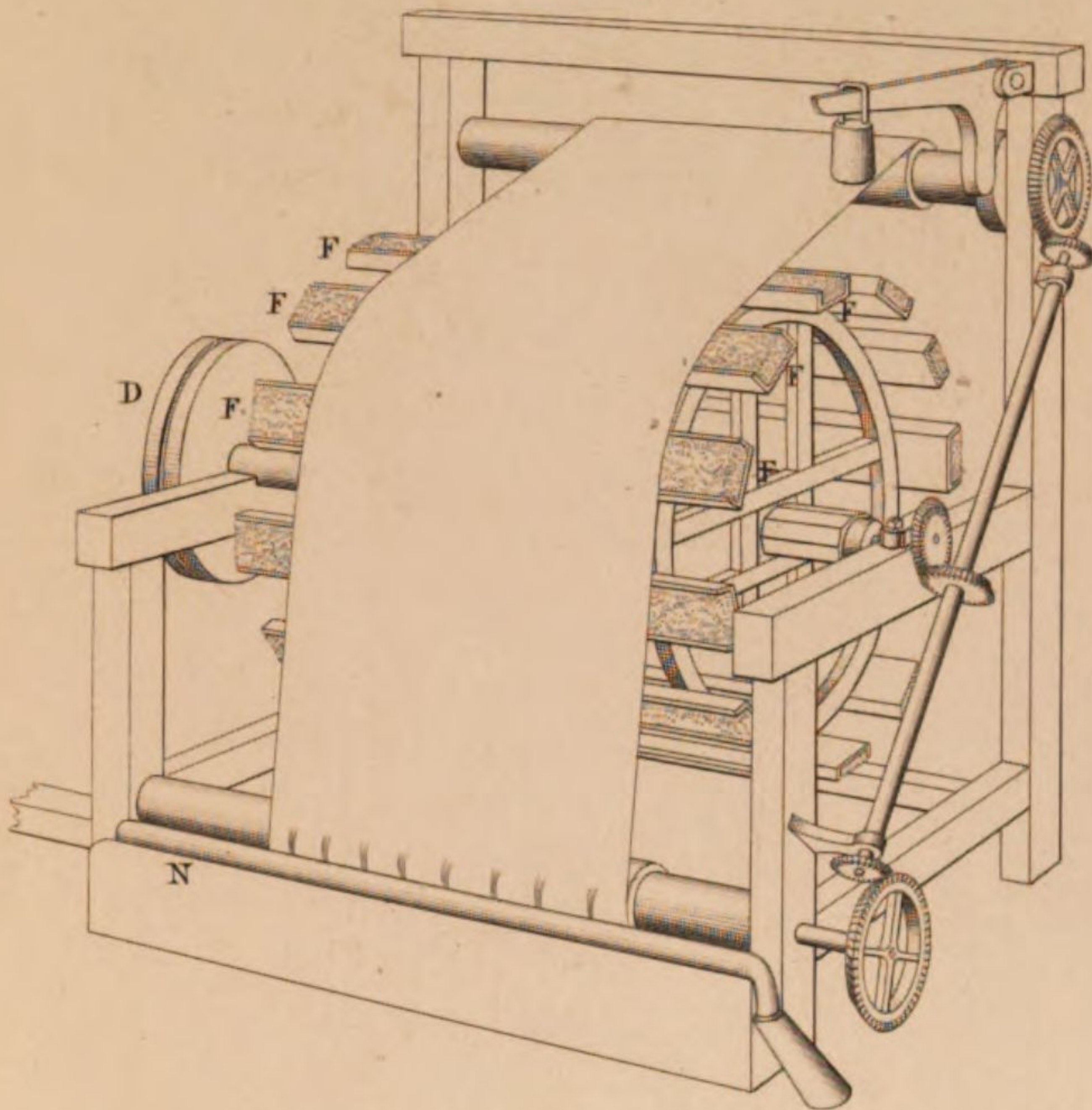


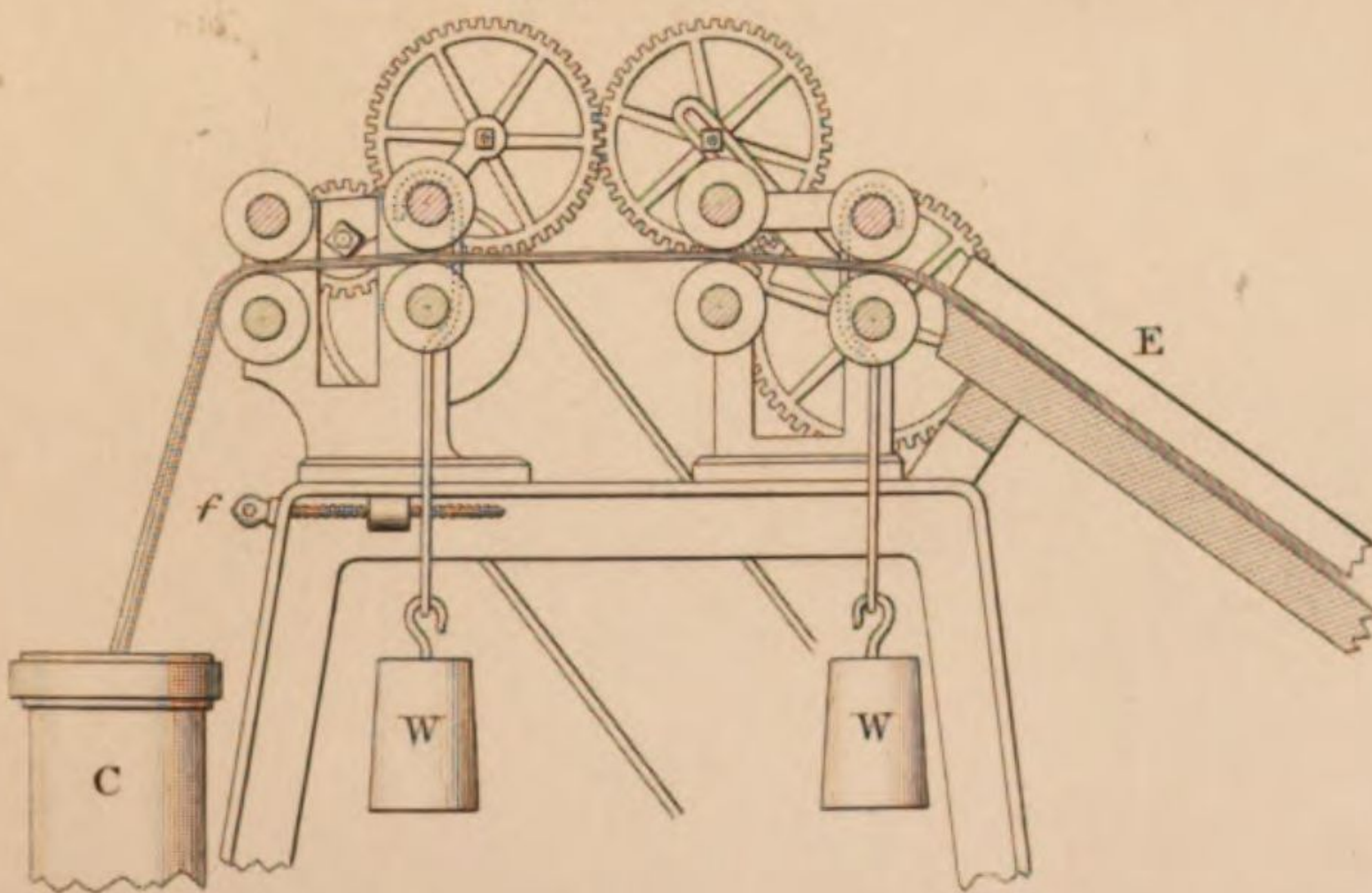
Fig. 1.

WOOLEN AND WORSTED.



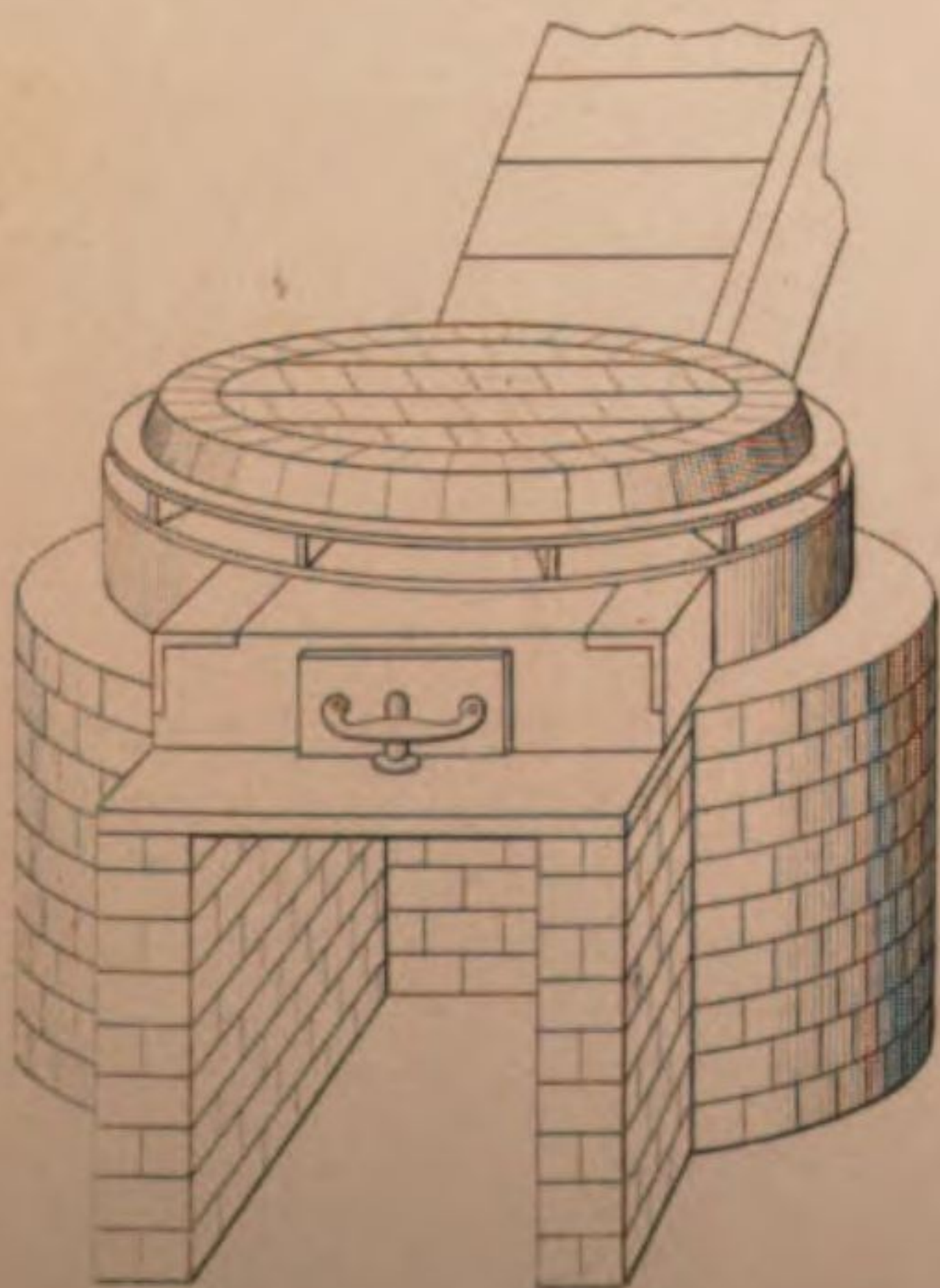
Breaking Machine.

4



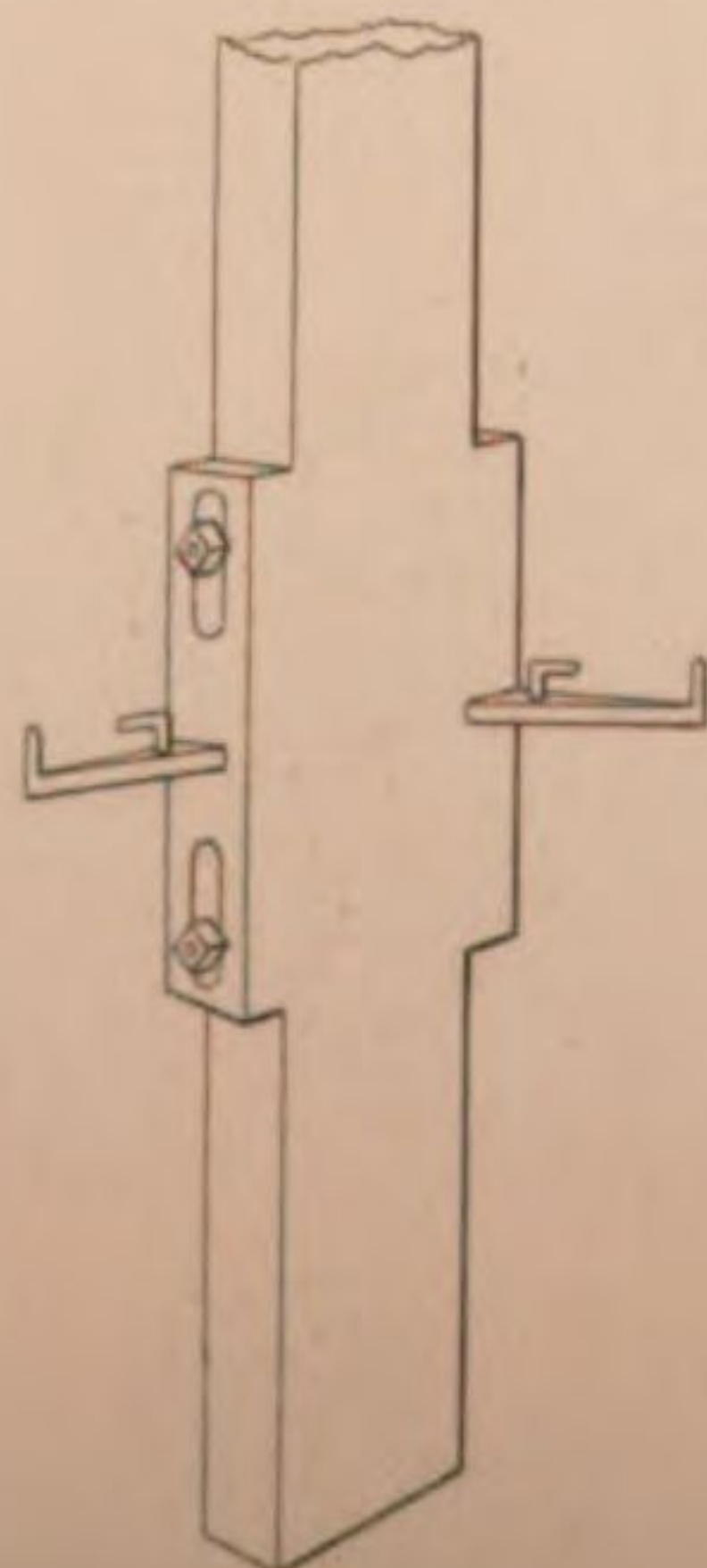
Comb pot.

3



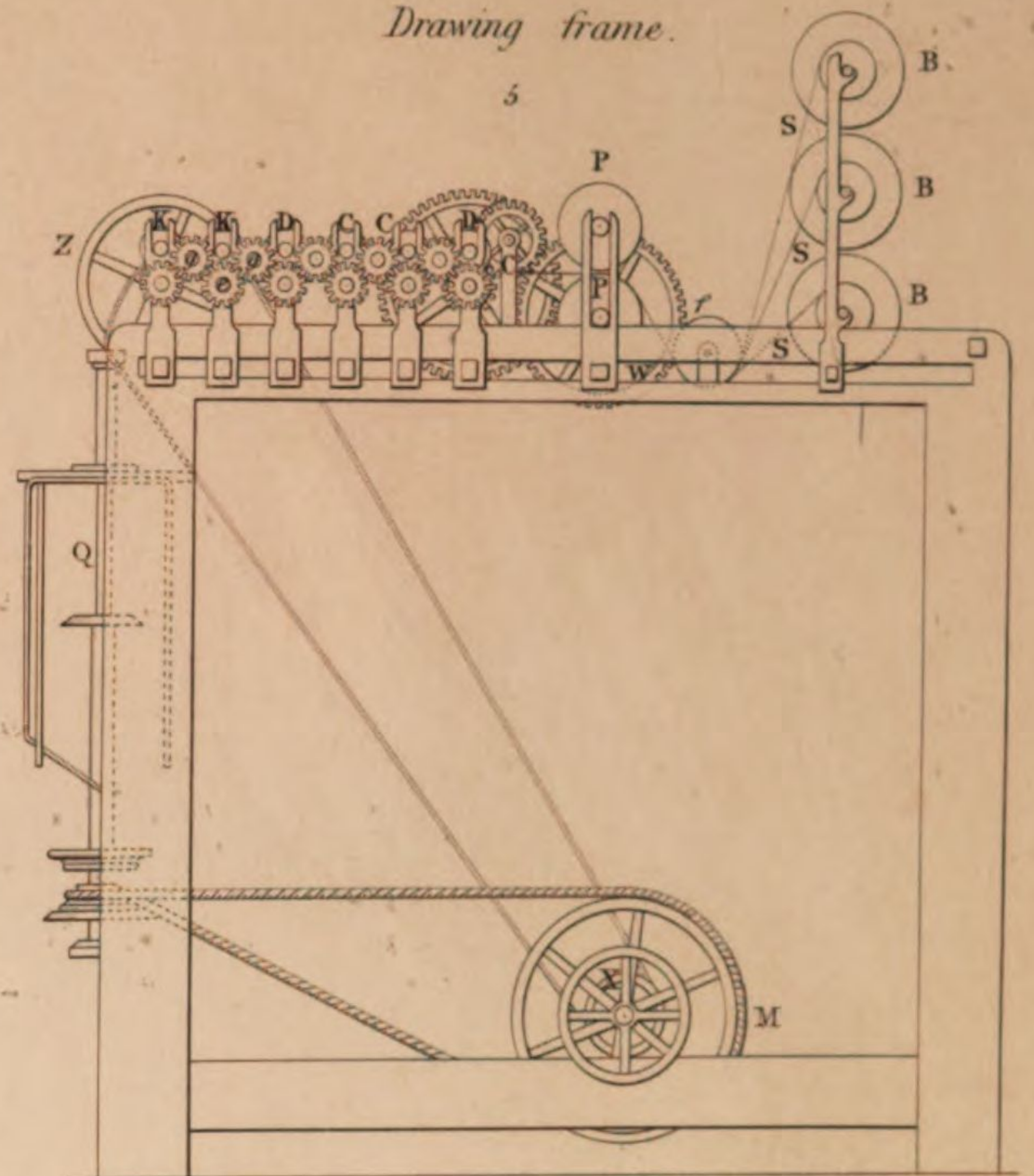
Drawing post.

7



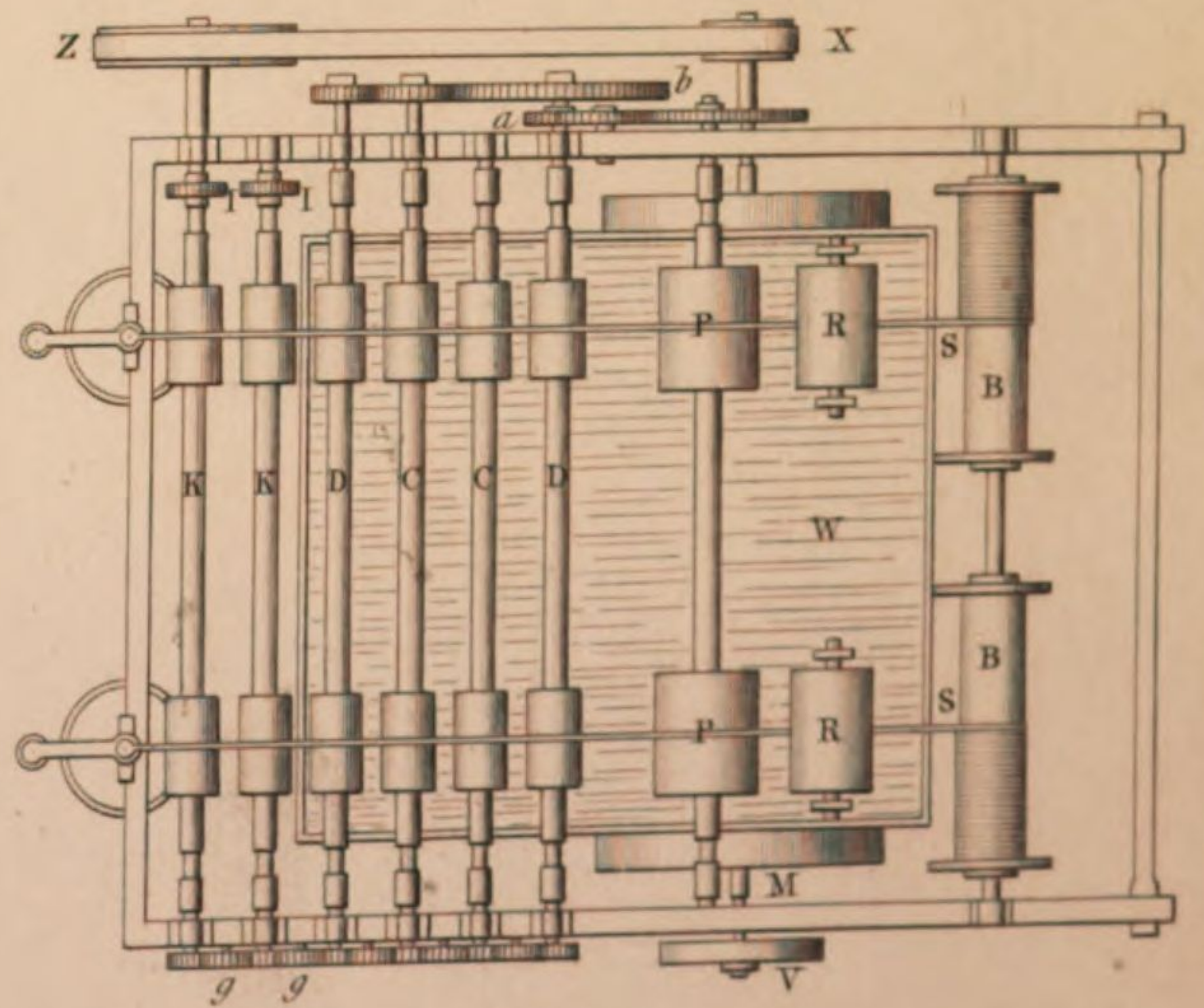
Drawing frame.

5



(Plan.)

6



Combs

2



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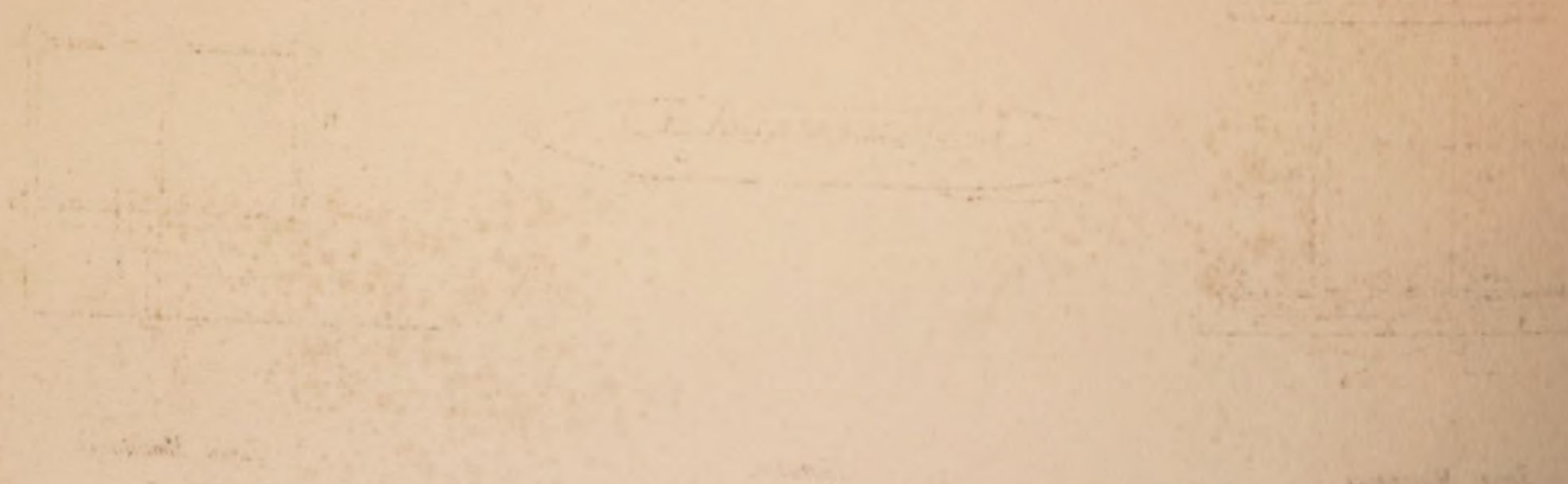
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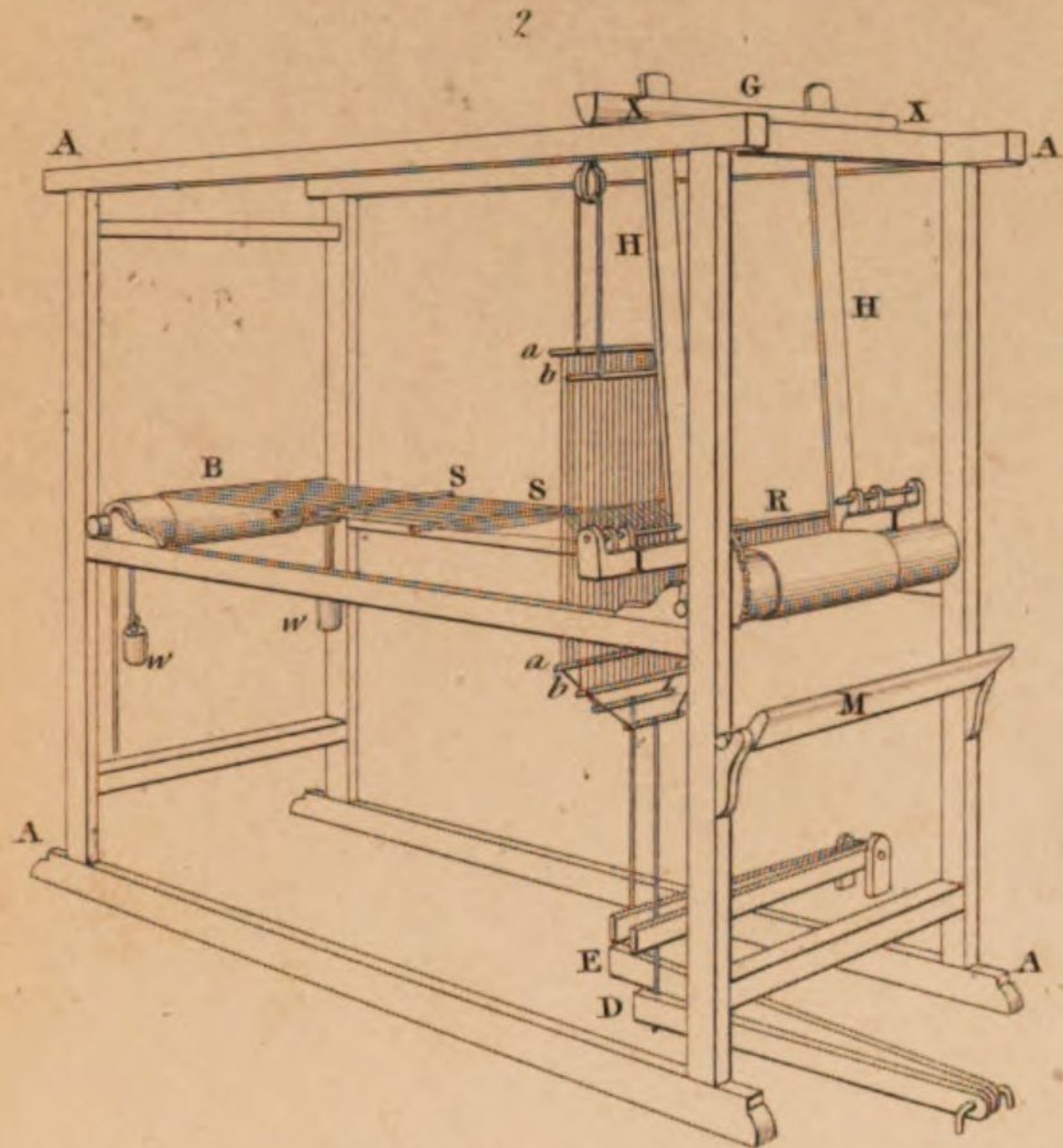
1875

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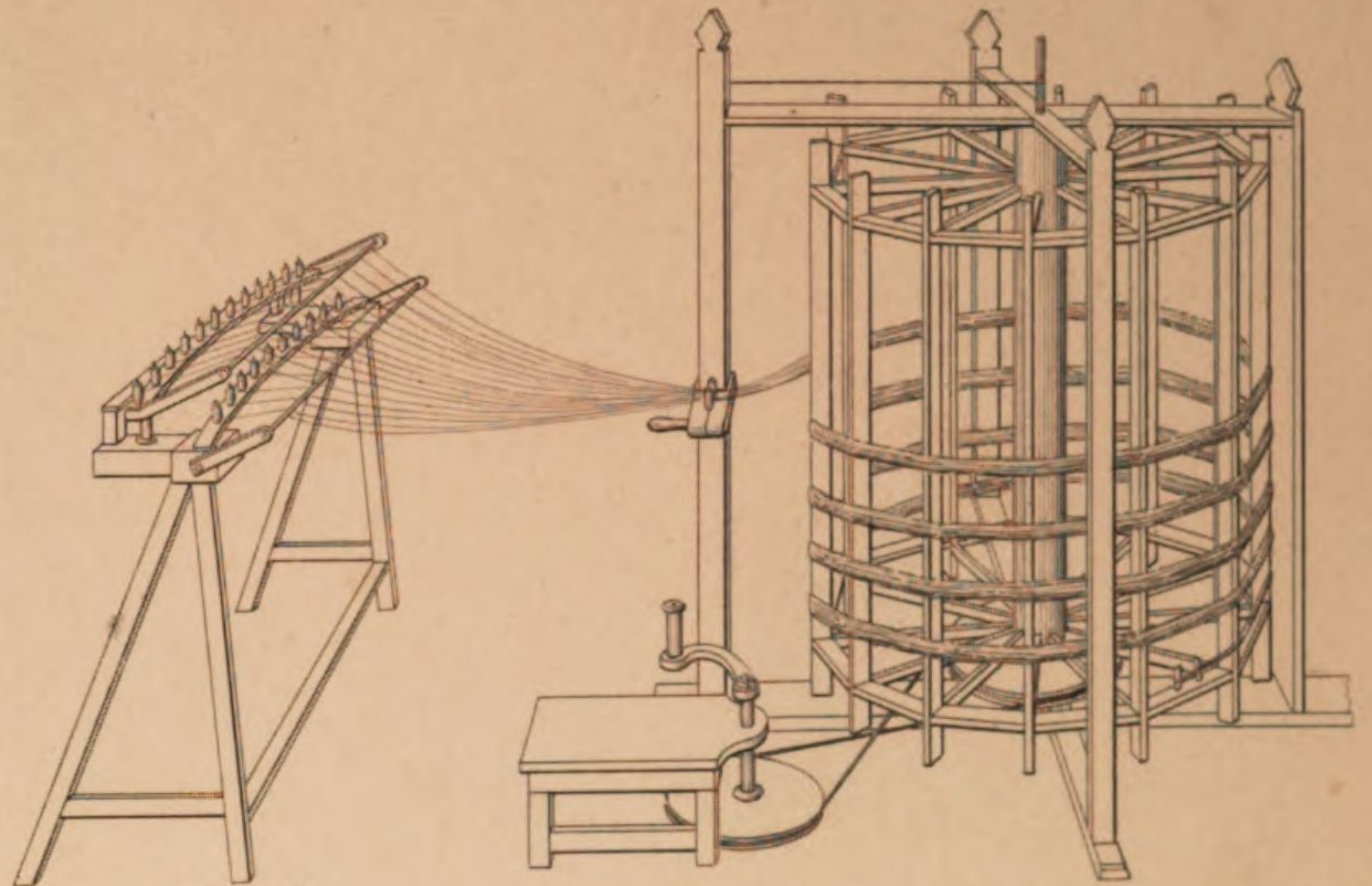


Common Loom.



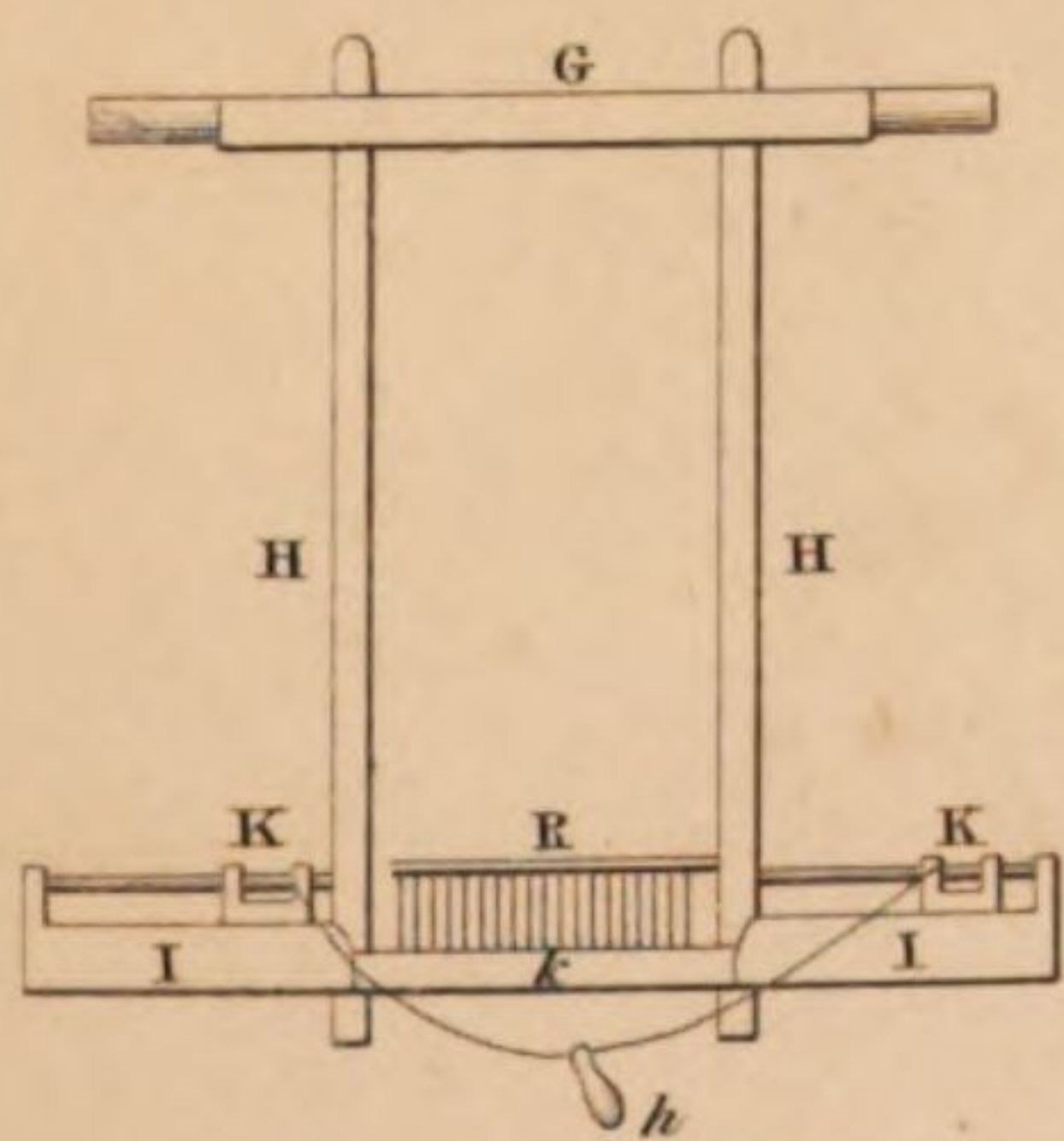
Warping Mill.

Fig. 1.



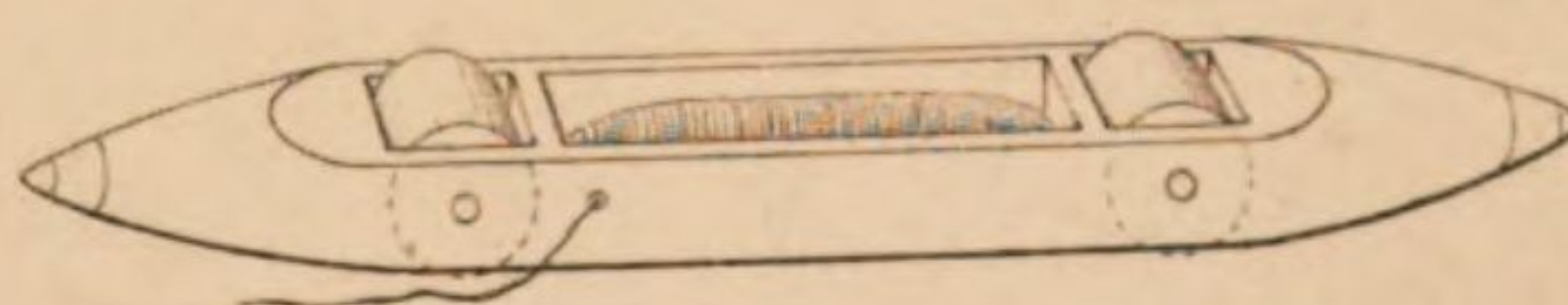
Lathe.

3



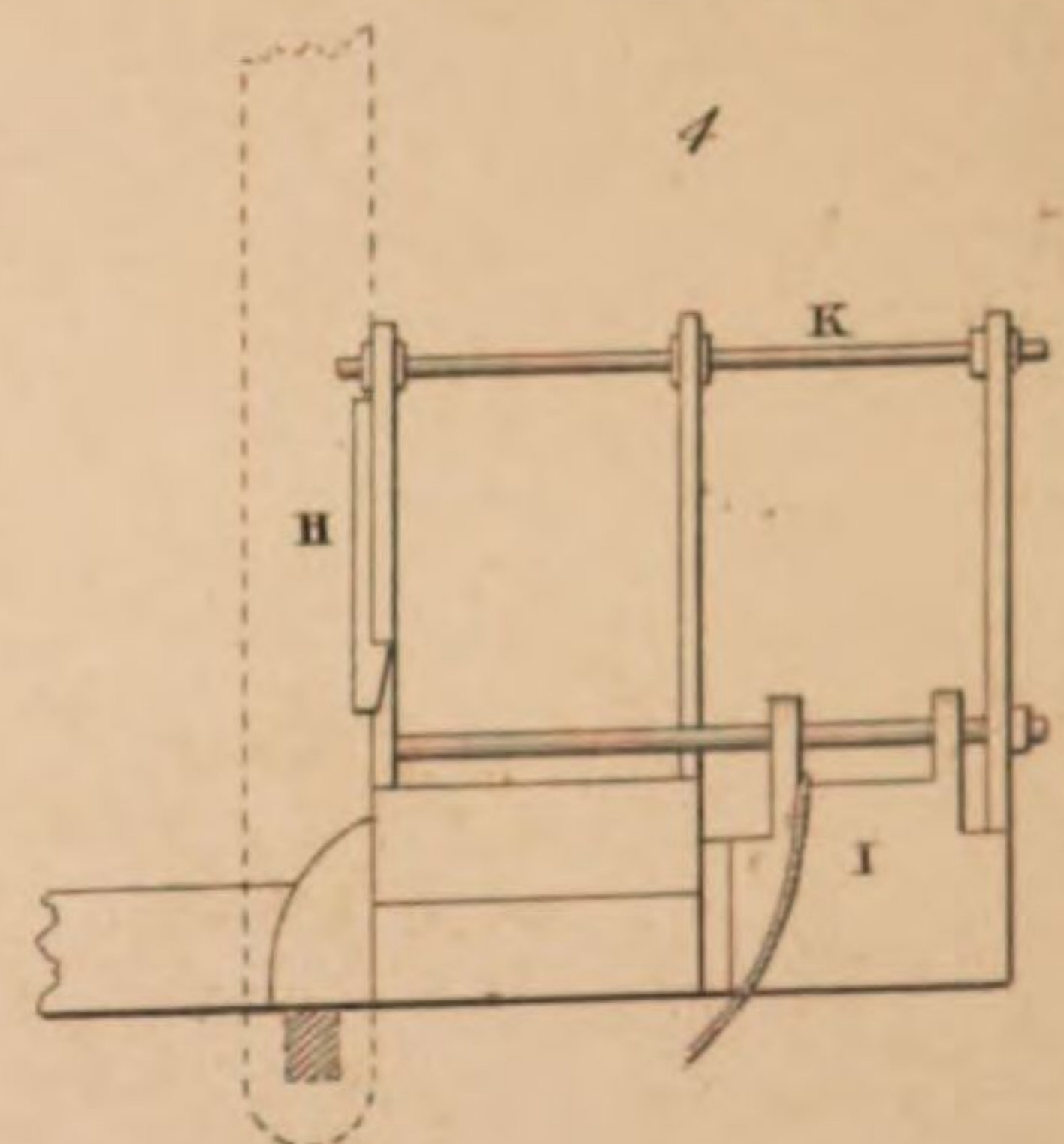
Fly Shuttle.

5



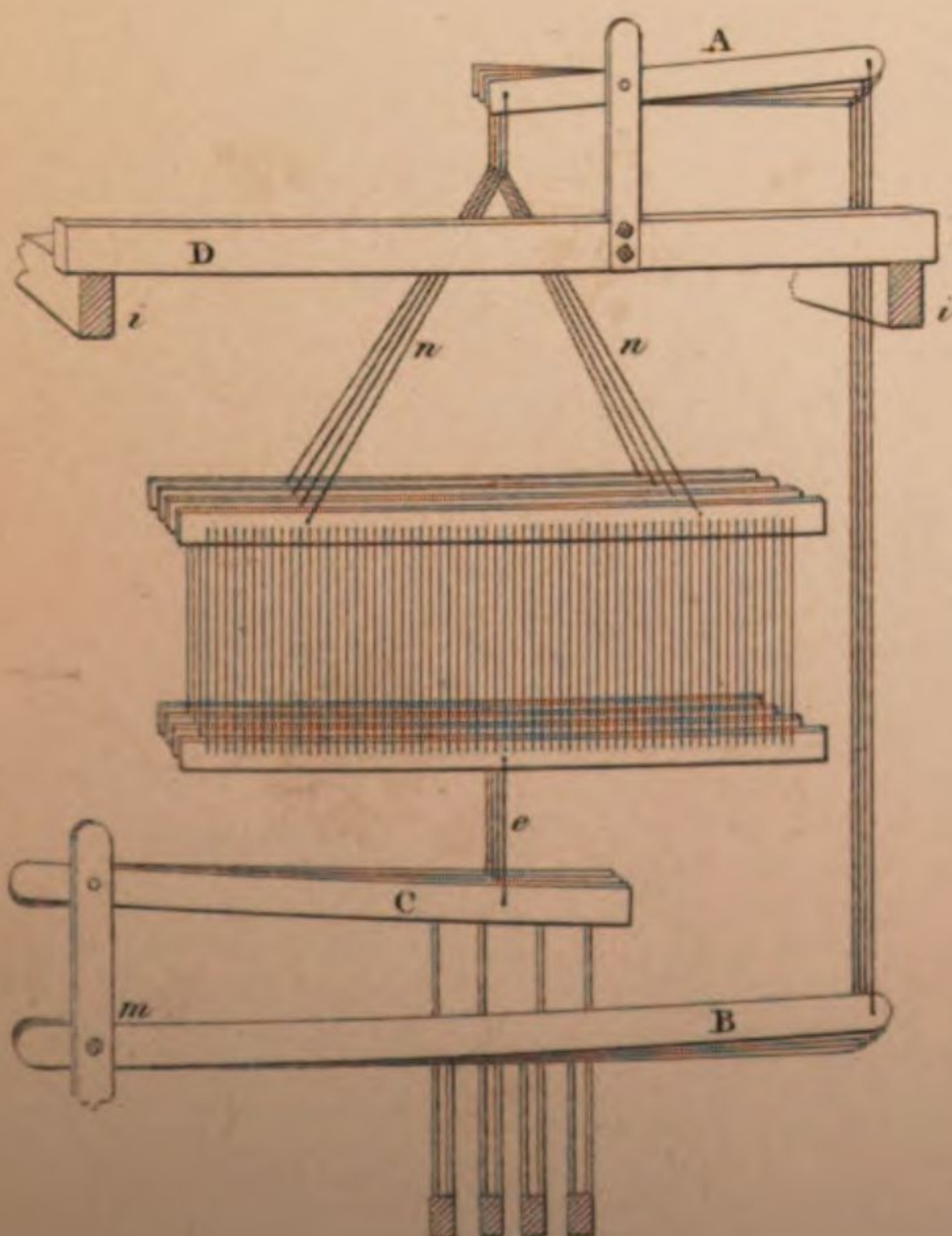
Lathe Box.

4



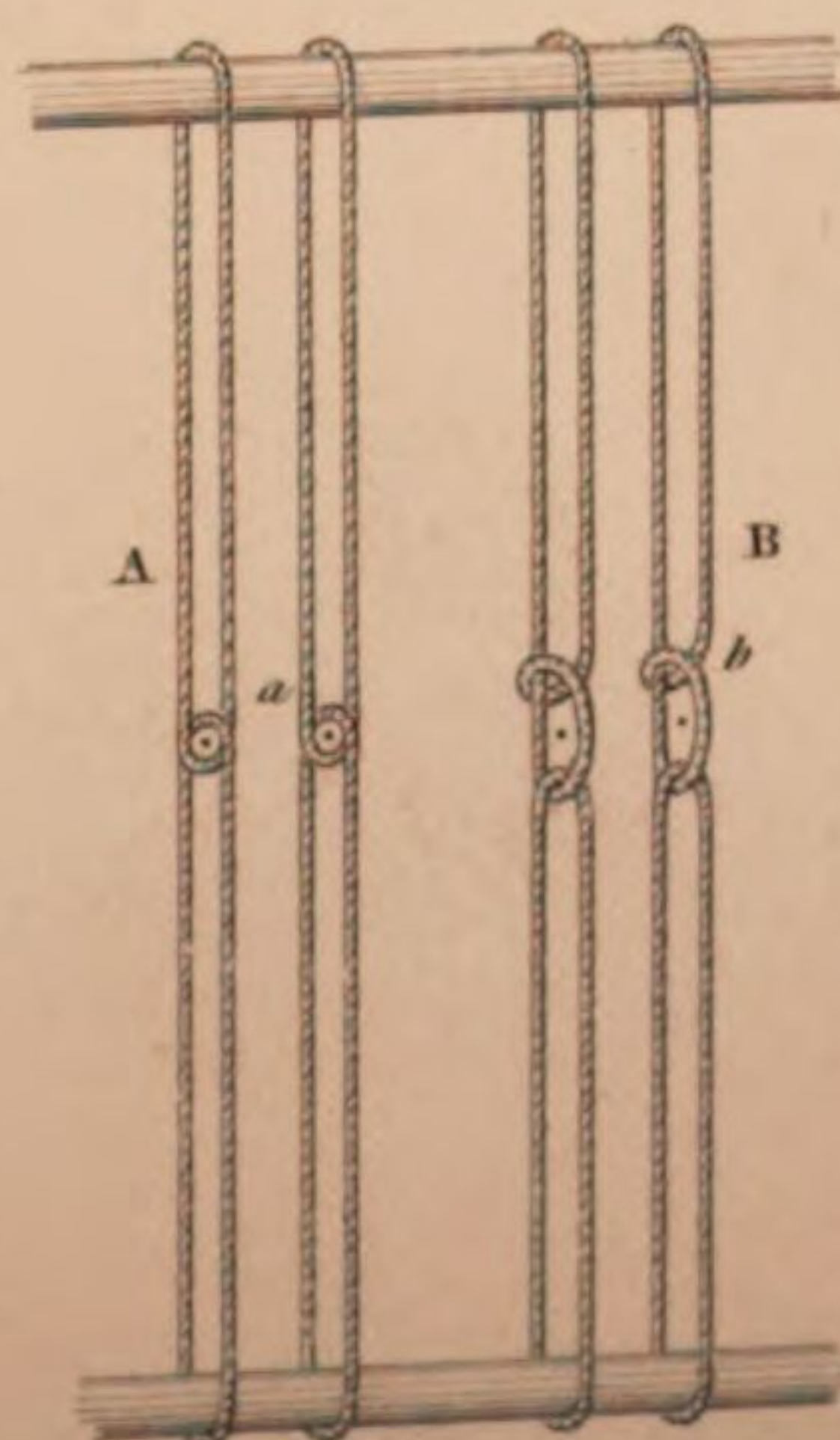
Loom Mountings.

6



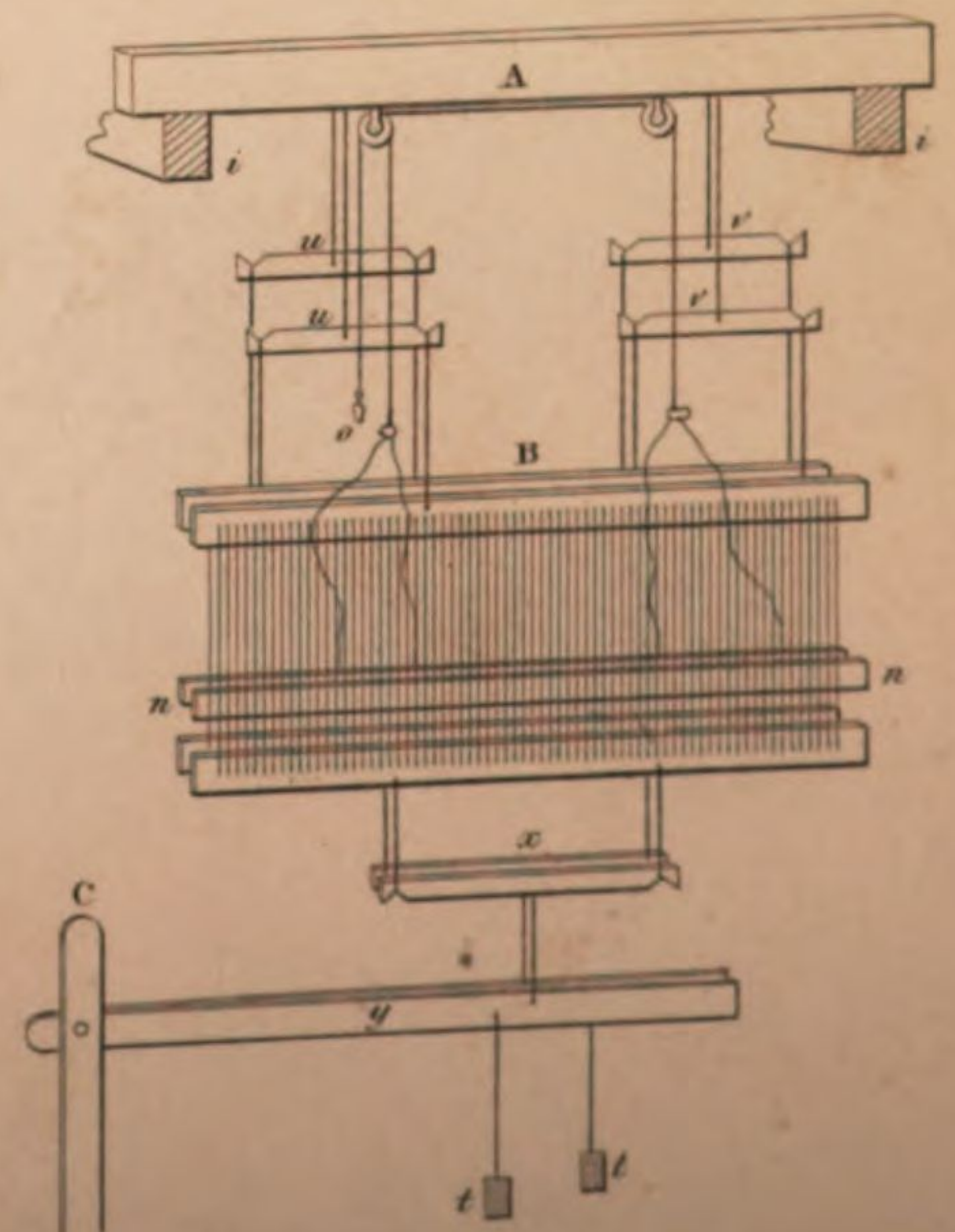
Heddles.

8



Loom Mountings.

7



JWLewy fulp.

THEORY OF THE
SIX-STRINGED VIOLIN

Handwritten musical notation on a five-line staff. The notation includes various notes, rests, and bar lines, typical of a musical score. The handwriting is in ink and appears to be from the 18th or 19th century.

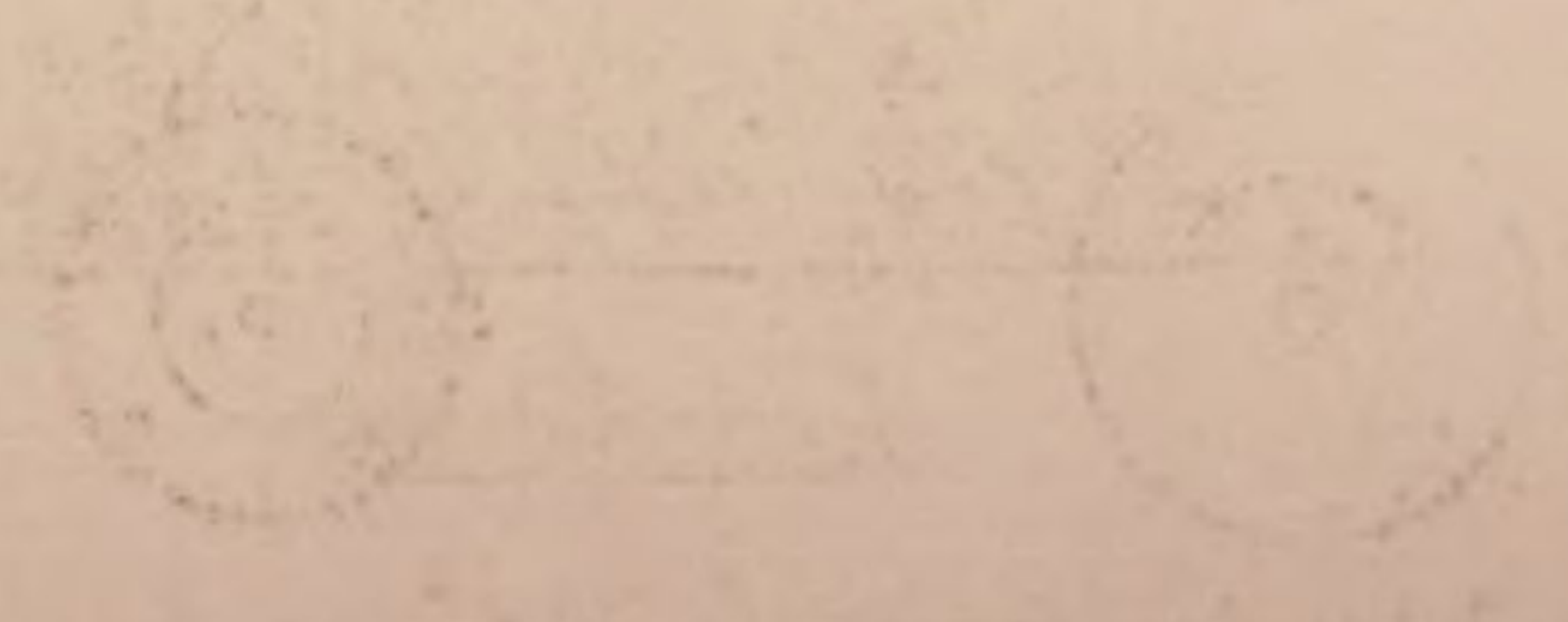
Handwritten musical notation on a five-line staff, continuing the piece from the previous section. It features similar notation with notes and rests.

Handwritten musical notation on a five-line staff, showing further development of the musical piece.



Handwritten musical notation on a five-line staff, positioned in the lower-left quadrant of the page.

Handwritten musical notation on a five-line staff, located in the lower-right quadrant of the page.



Handwritten musical notation on a five-line staff, located at the bottom center of the page.

Handwritten musical notation on a five-line staff, located at the bottom right of the page.

WEAVING.

Order of Working the Treadles.

2

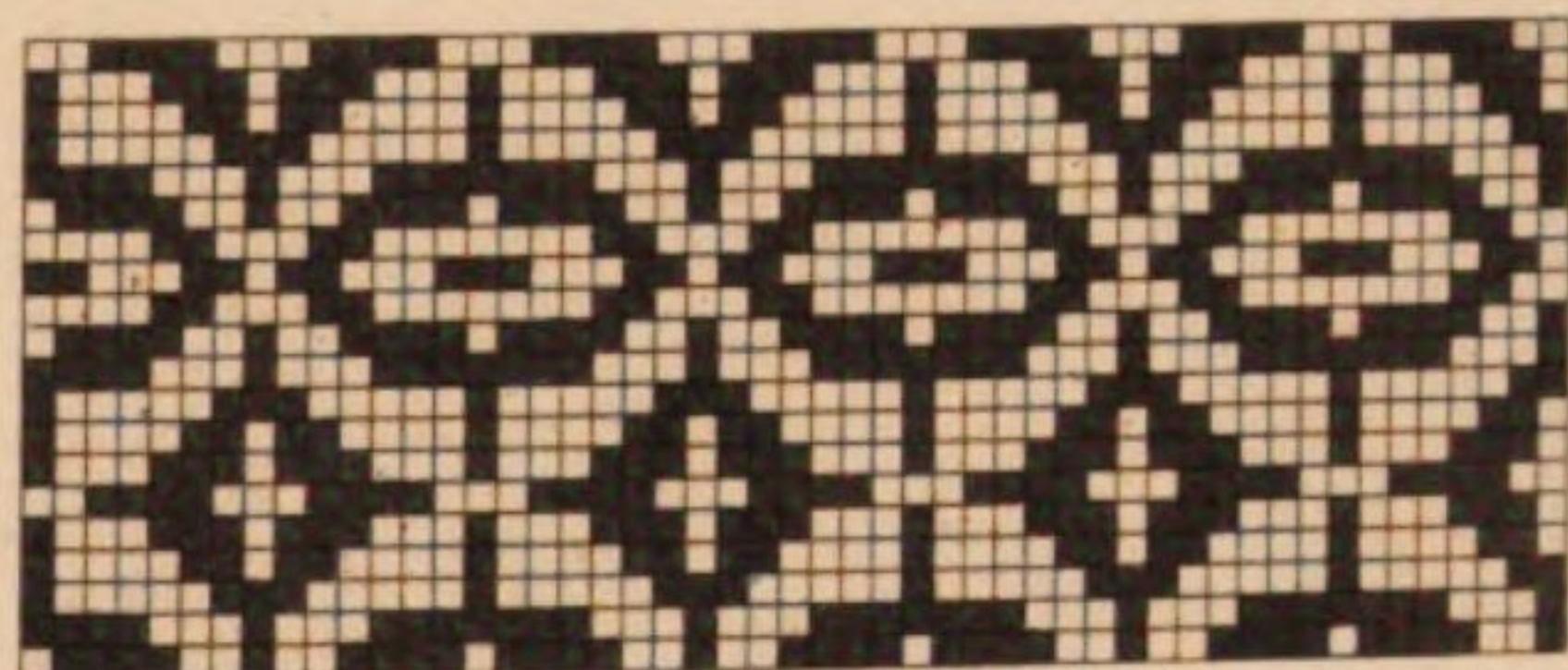
0			0		0	0				0	5	1	Blue.
0		0			0	0				0	7	3	Blue.
0						0		0		0	6	2	White.
0					0			0		0	8	4	White.
1	2		3	4		5	6		7	8	9	10	
A			B			C			D		E		

5

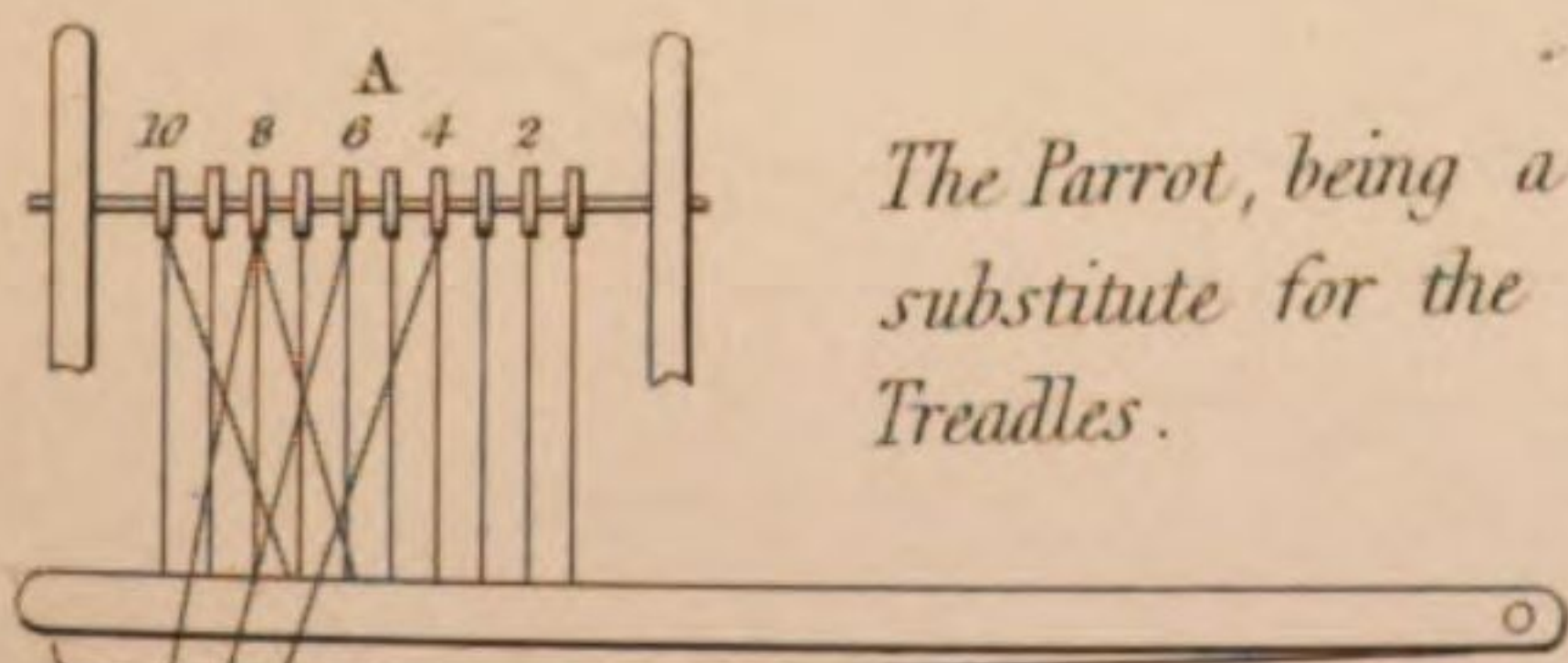
		0	0		1	2	2	1	3	3	1	2	d
0			0		1	1	2	2	1	1	1	1	c
0	0				1	1	3	3	1	1		1	b
	0	0			1	1	4	1	1	1	1	1	a

1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
a	b	c	d

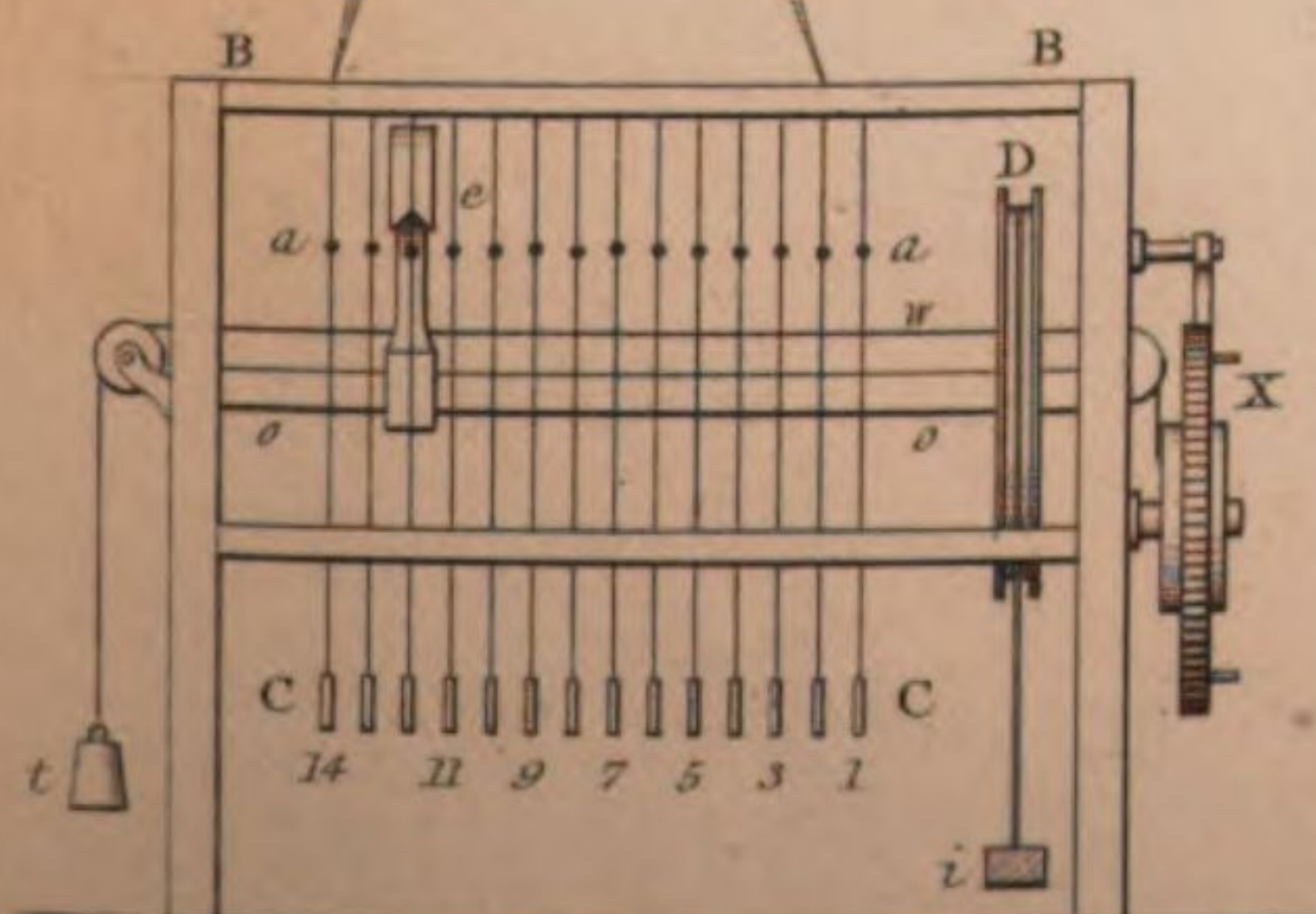
6



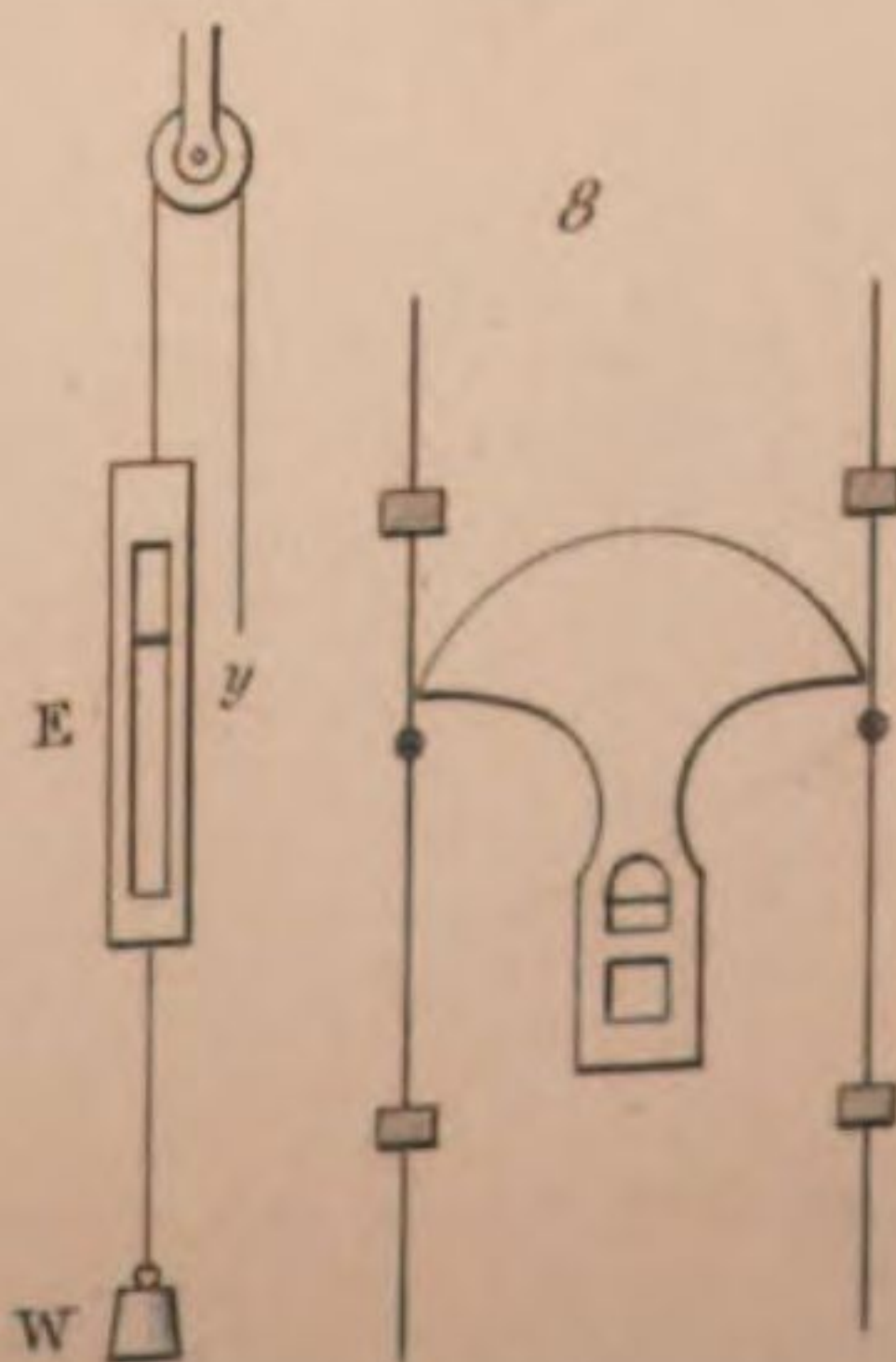
7



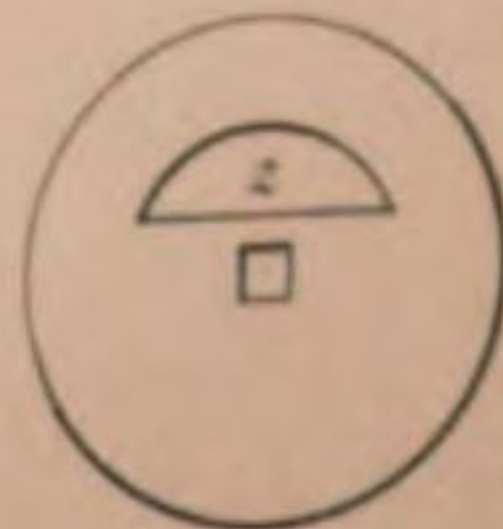
The Parrot, being a substitute for the Treadles.



8



9

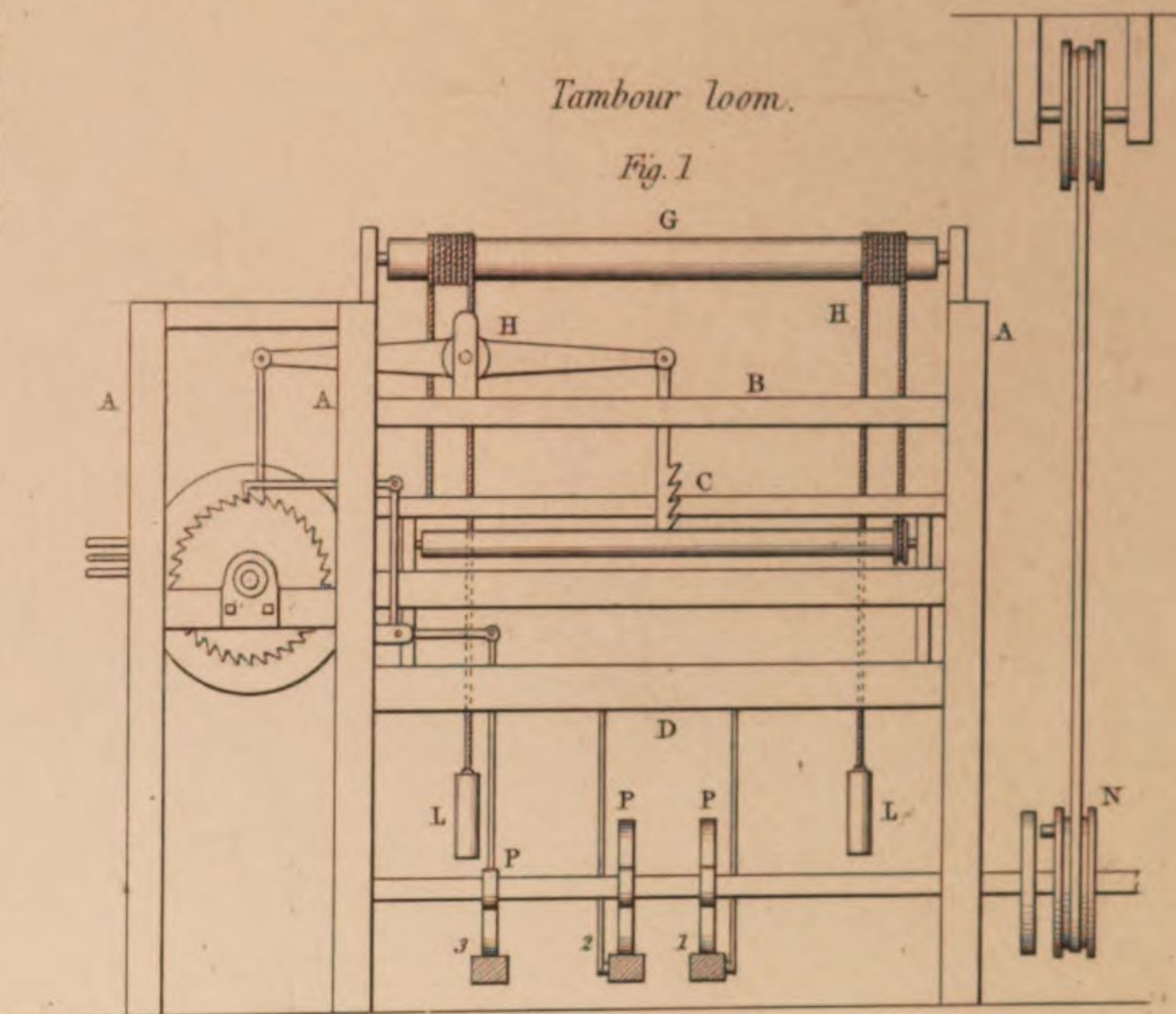


10



Tambour loom.

Fig. 1



3

White above.

		0		1	1
0				3	3
0	0	0		2	2
0	0	0		4	4
7	9	8	10		
2nd White Shot.	2nd Blue Shot.	1st White Shot.	1st Blue Shot.		

4

Blue above.

0	0	0		Blue.
0	0	0		Blue.
		0		White.
				White.
5	3	6	4	
2nd White Shot.	2nd Blue Shot.	1st White Shot.	1st Blue Shot.	

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of the

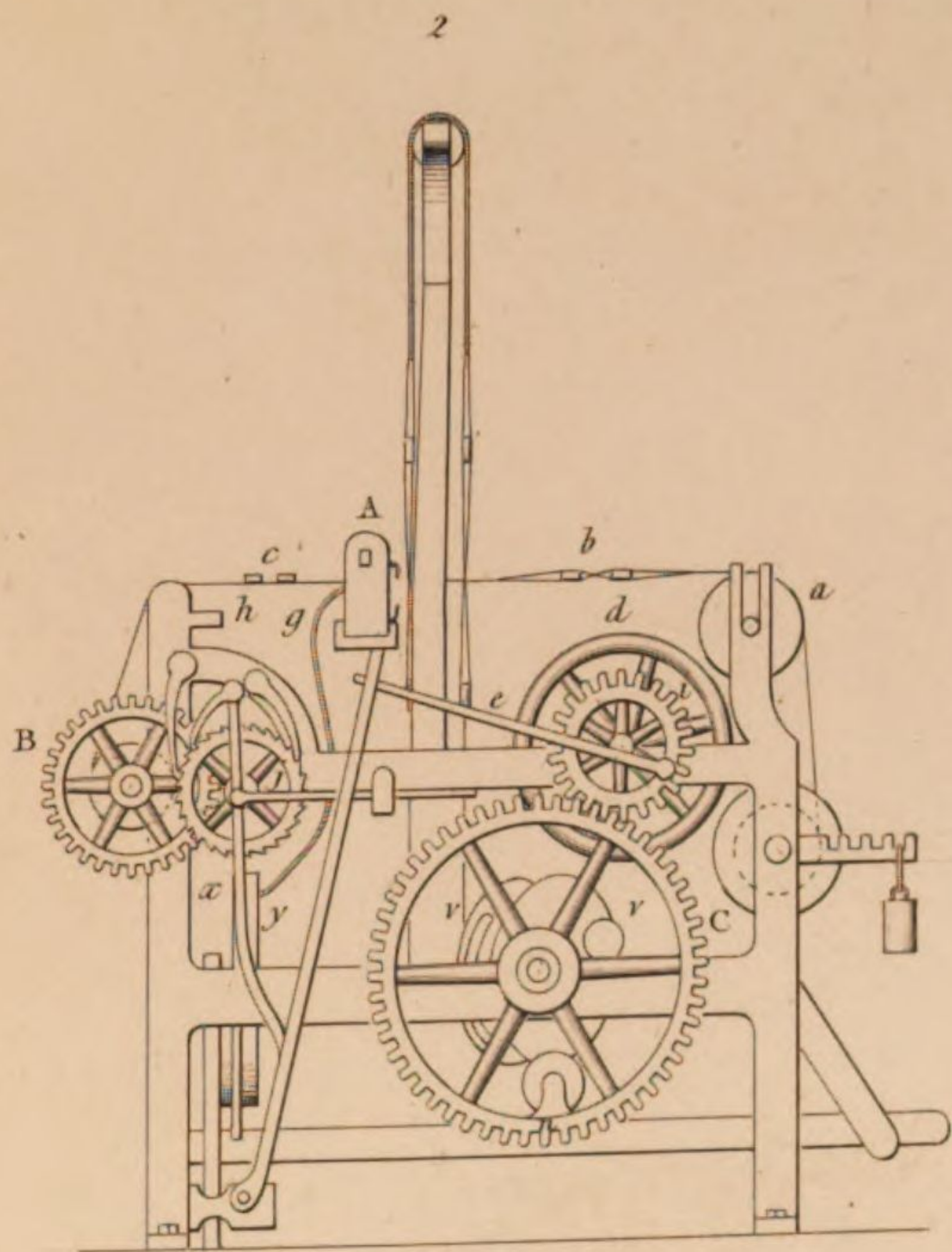
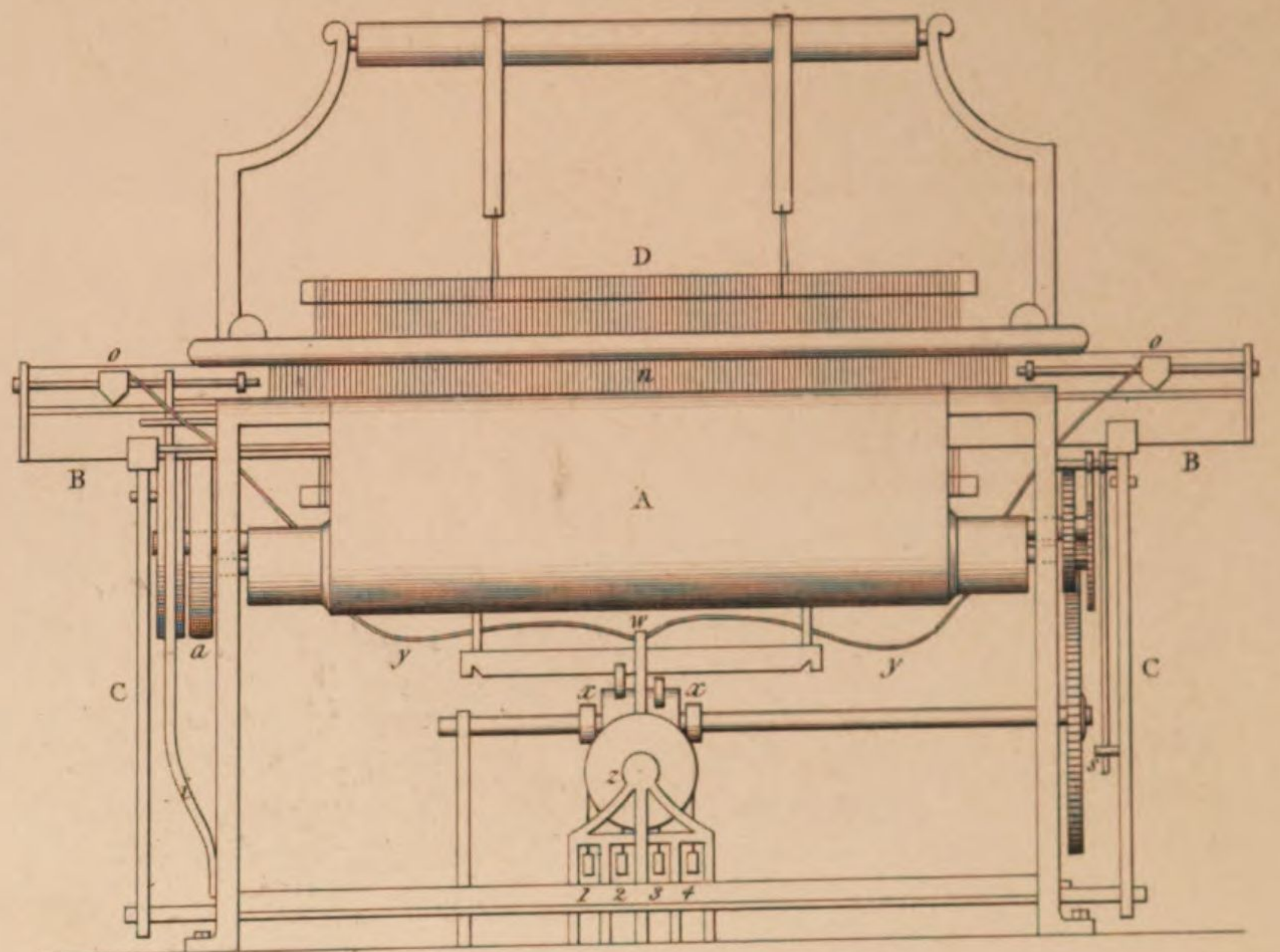
of the

of the

of the

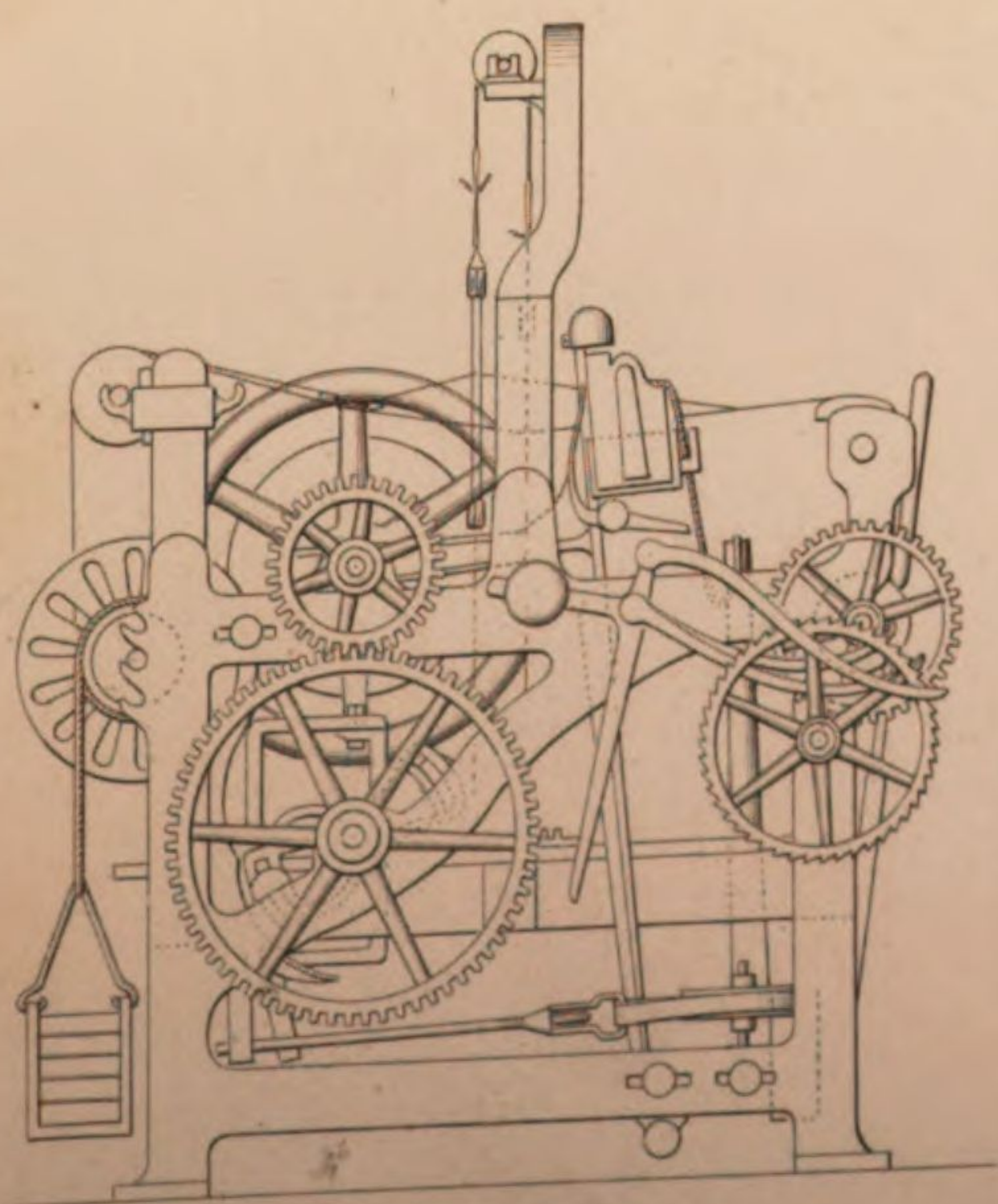
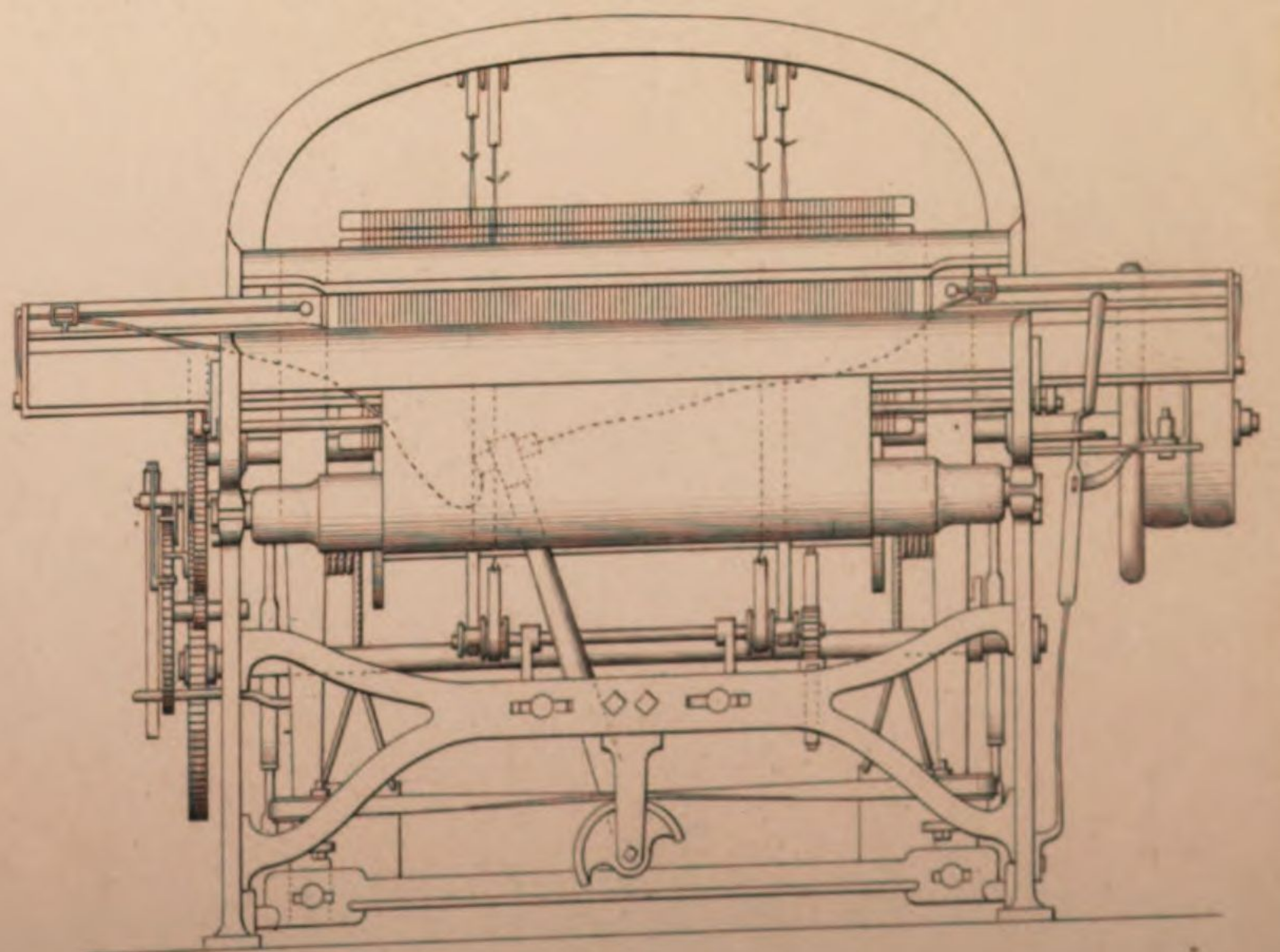
WEAVING.
Power Looms.

Fig. 1.



Sharp & Roberts power loom.

3



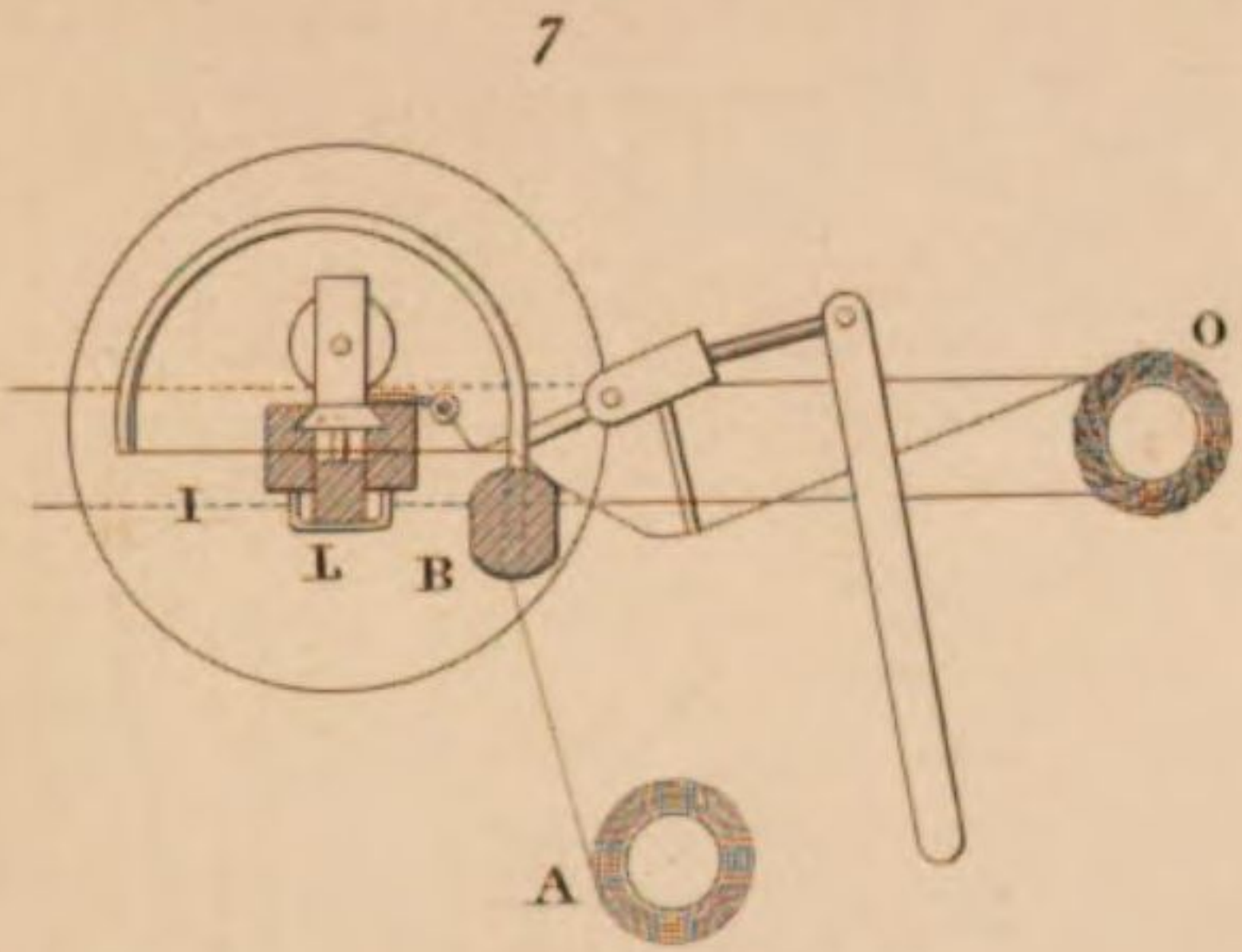
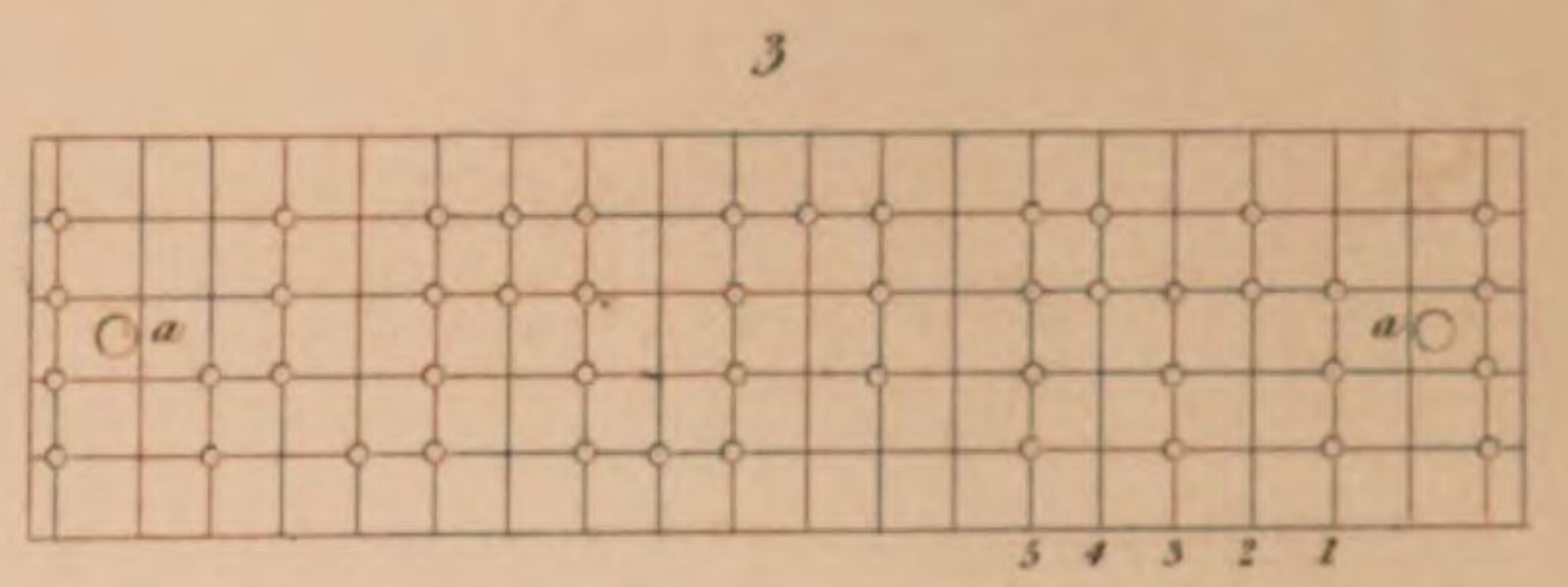
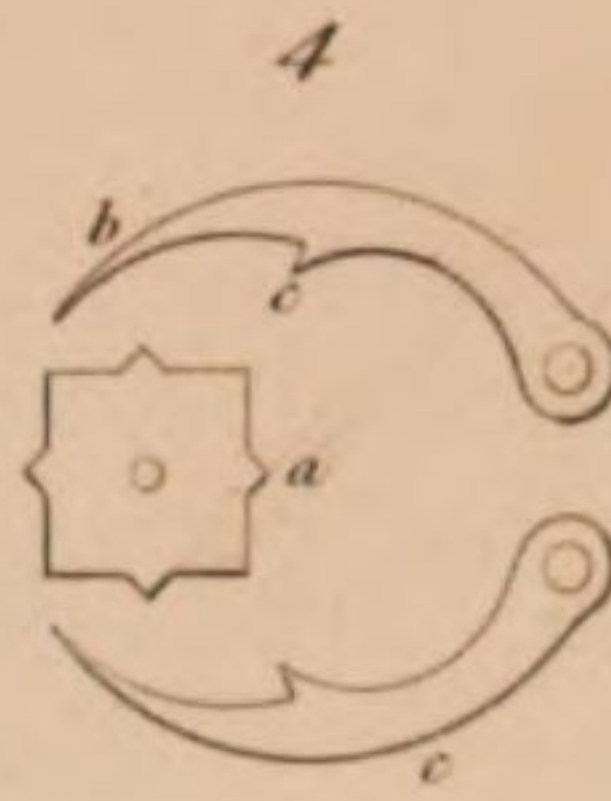
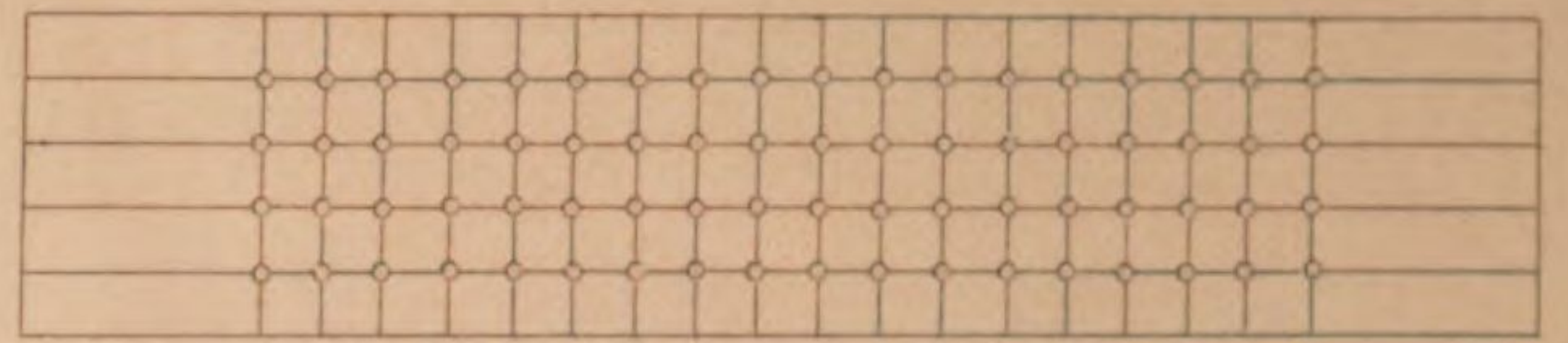
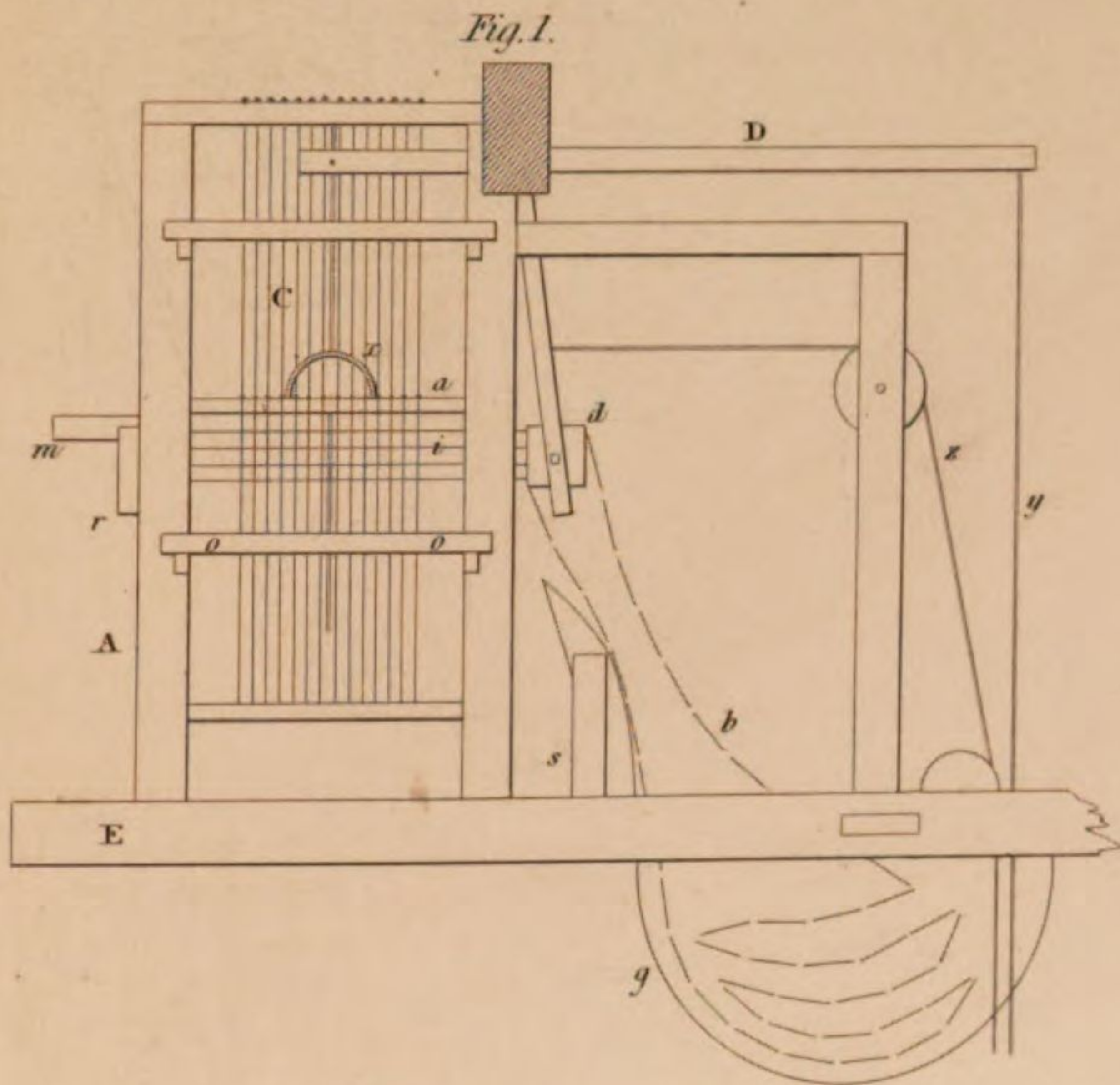
J. Lowy, sculp.

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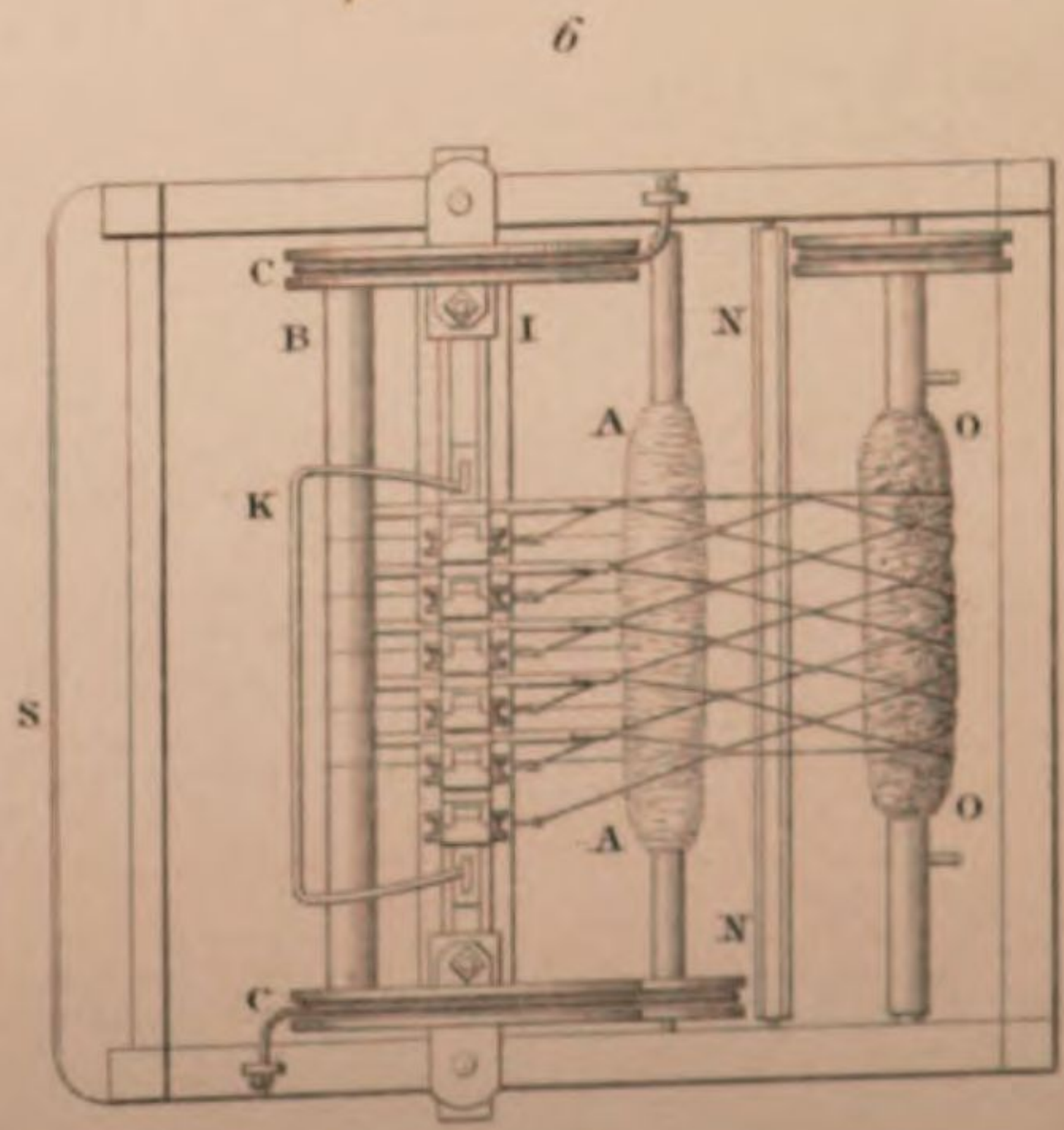
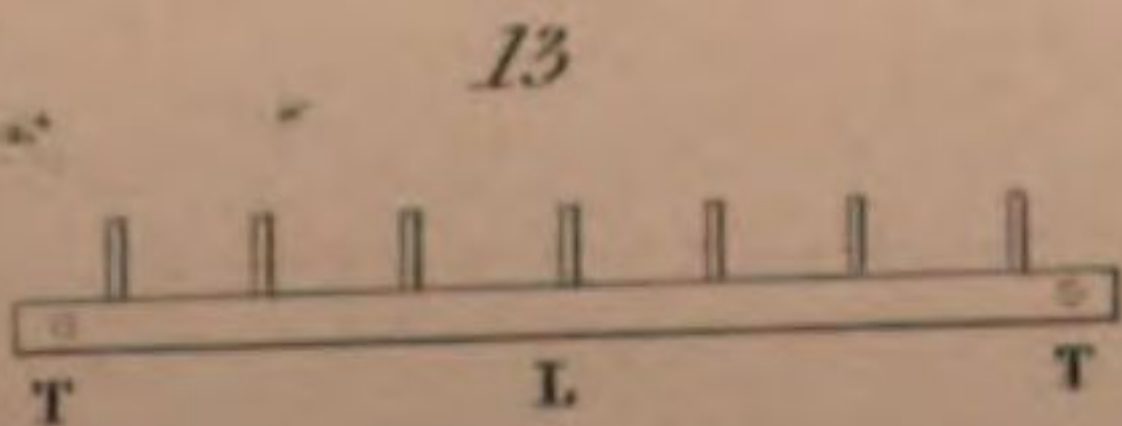
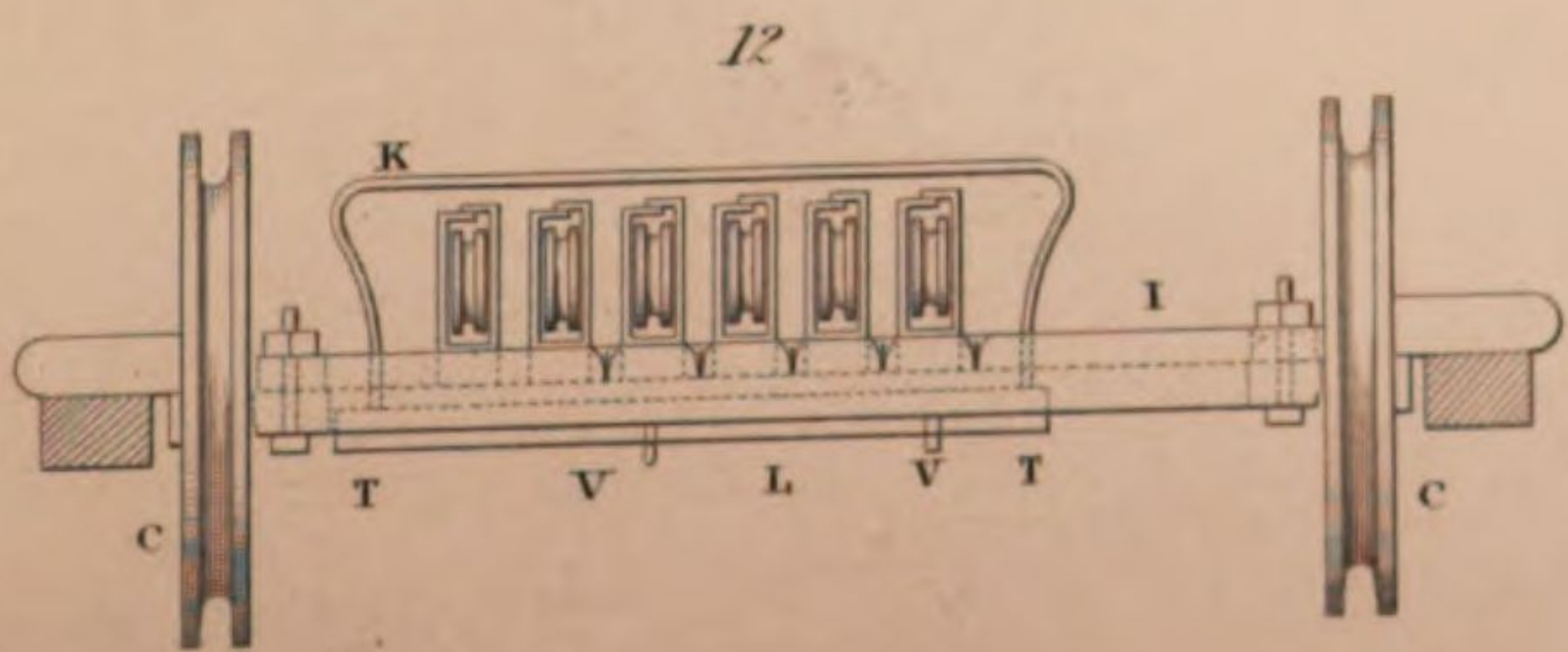
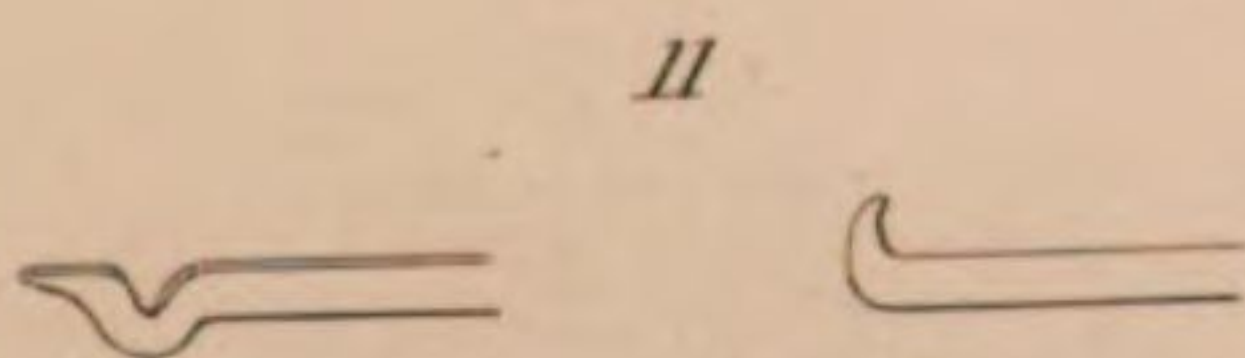
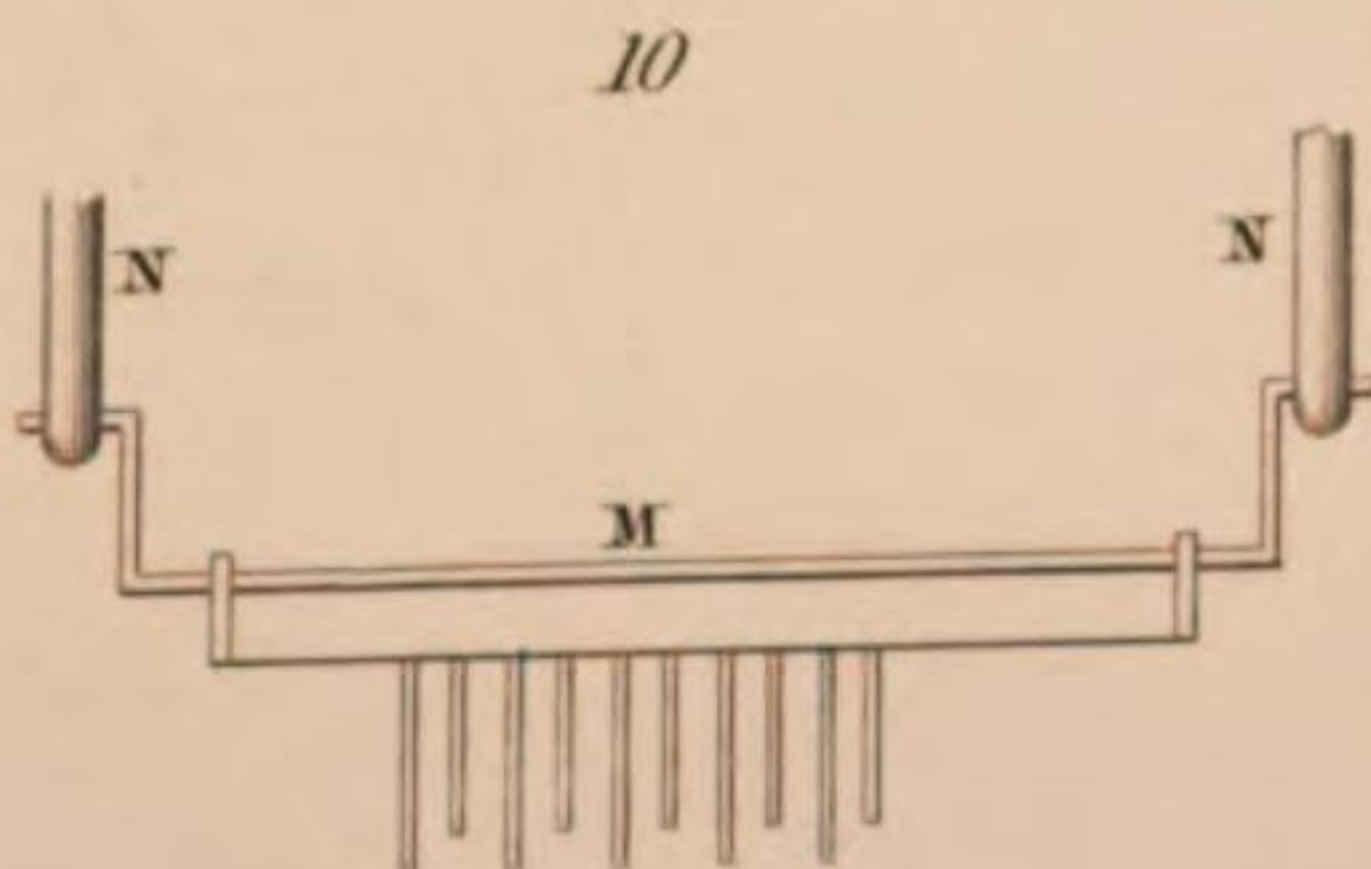
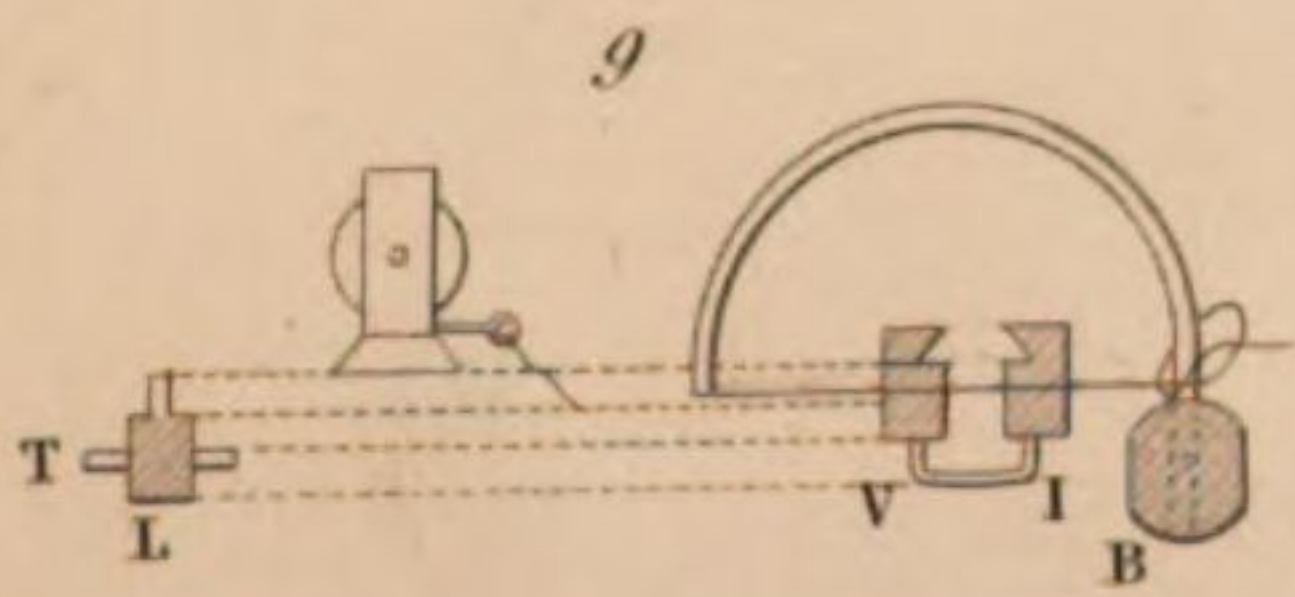
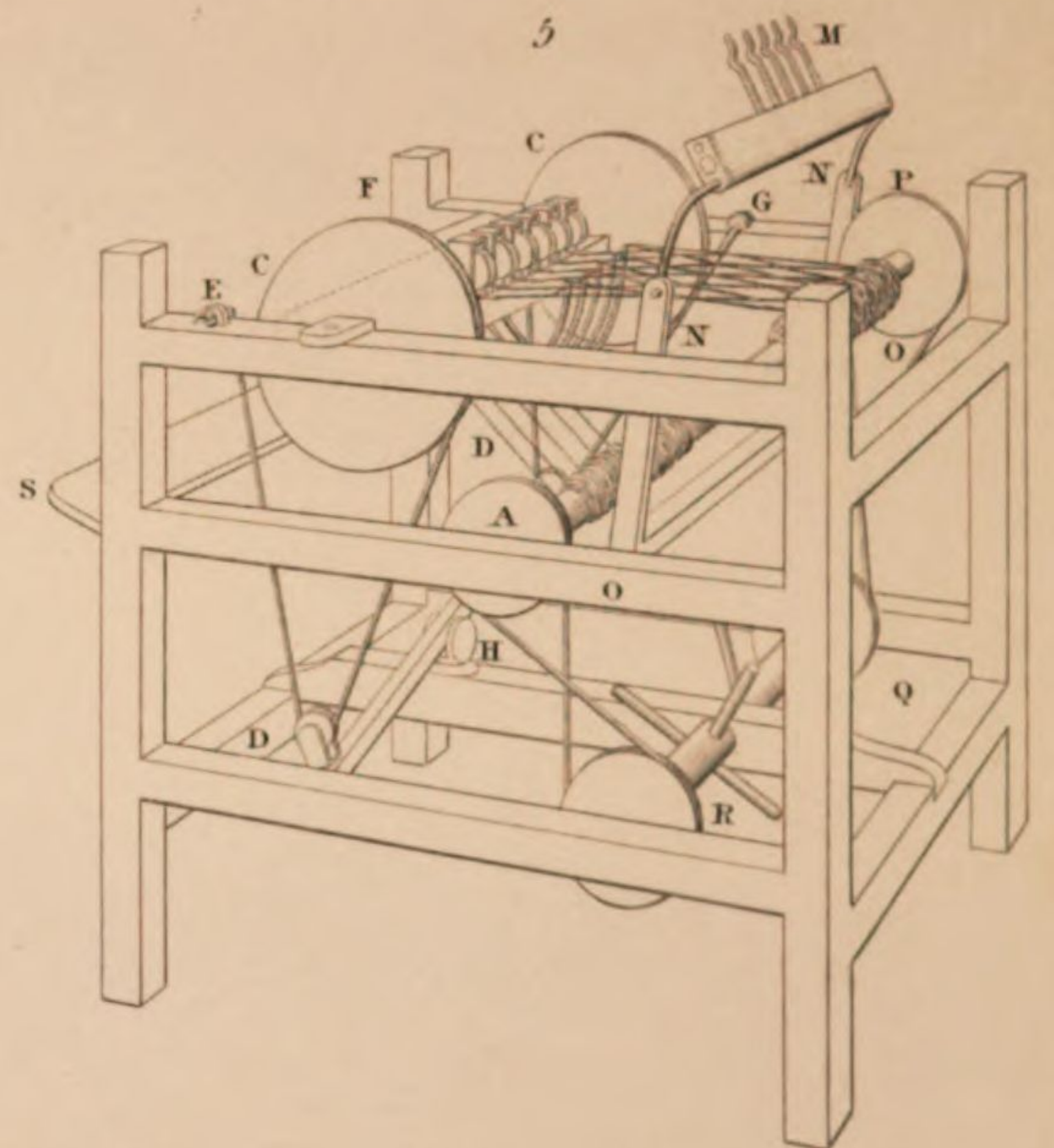
1875



Patent Draw Loom.

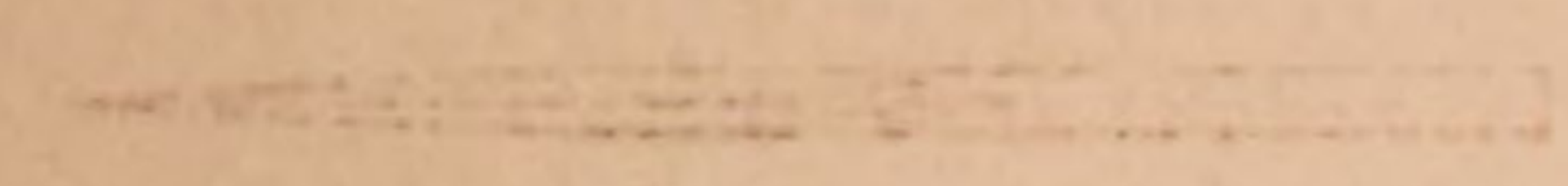
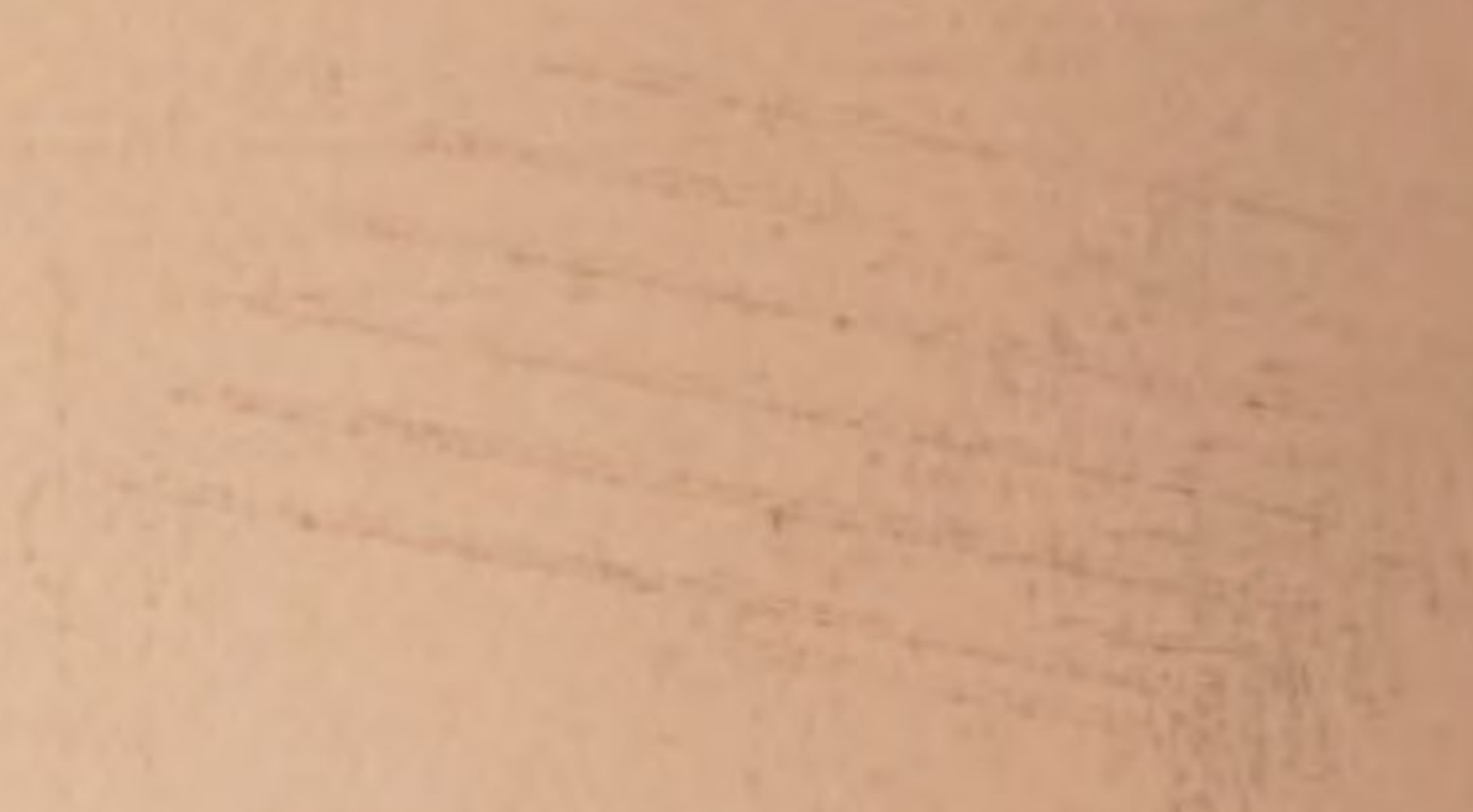
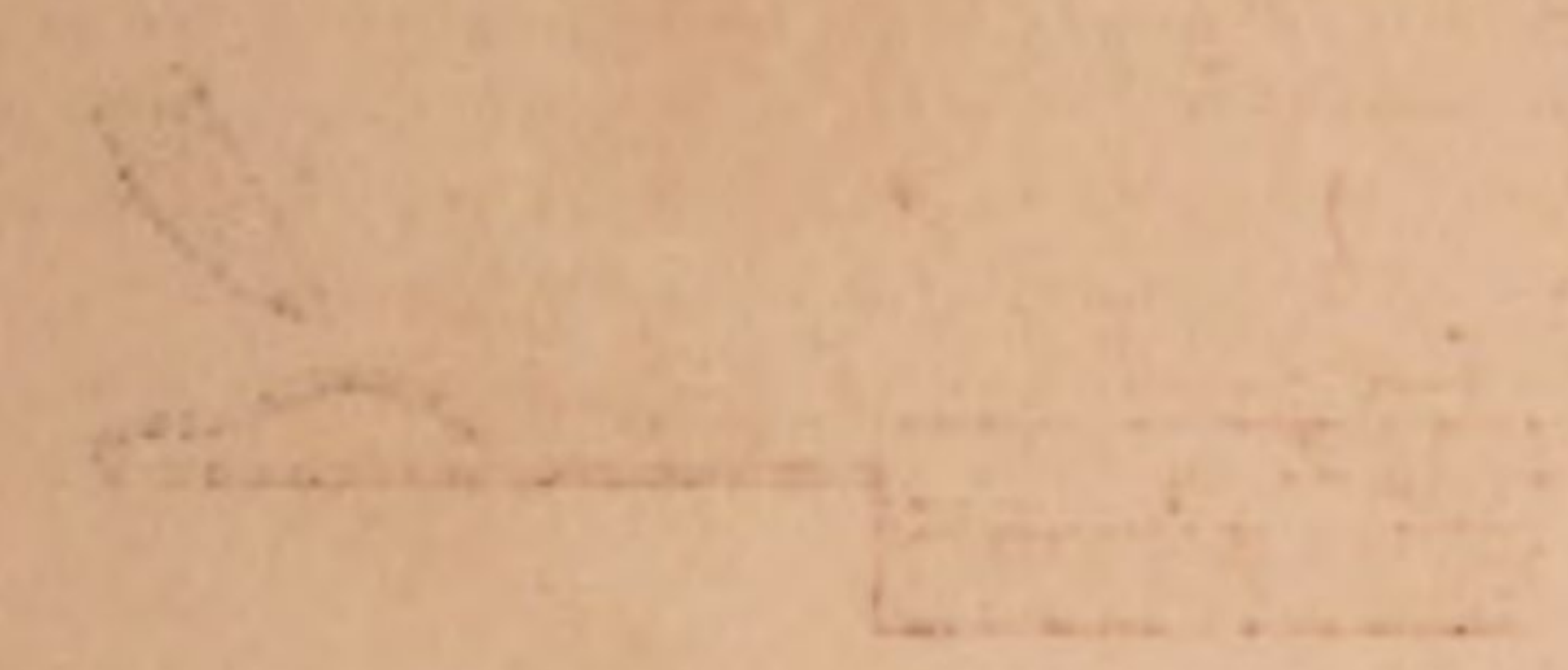


Loom for Fishing Nets



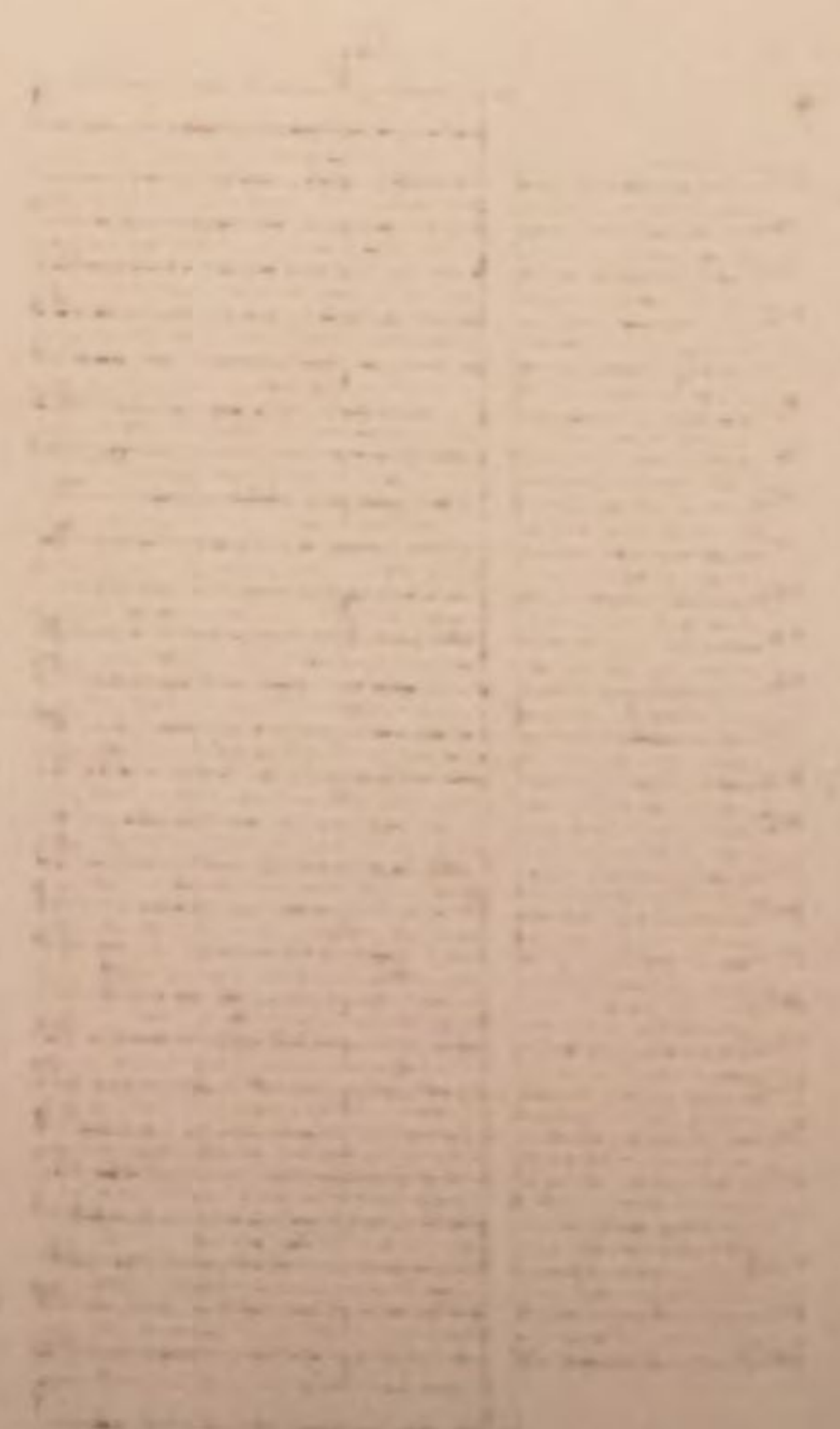
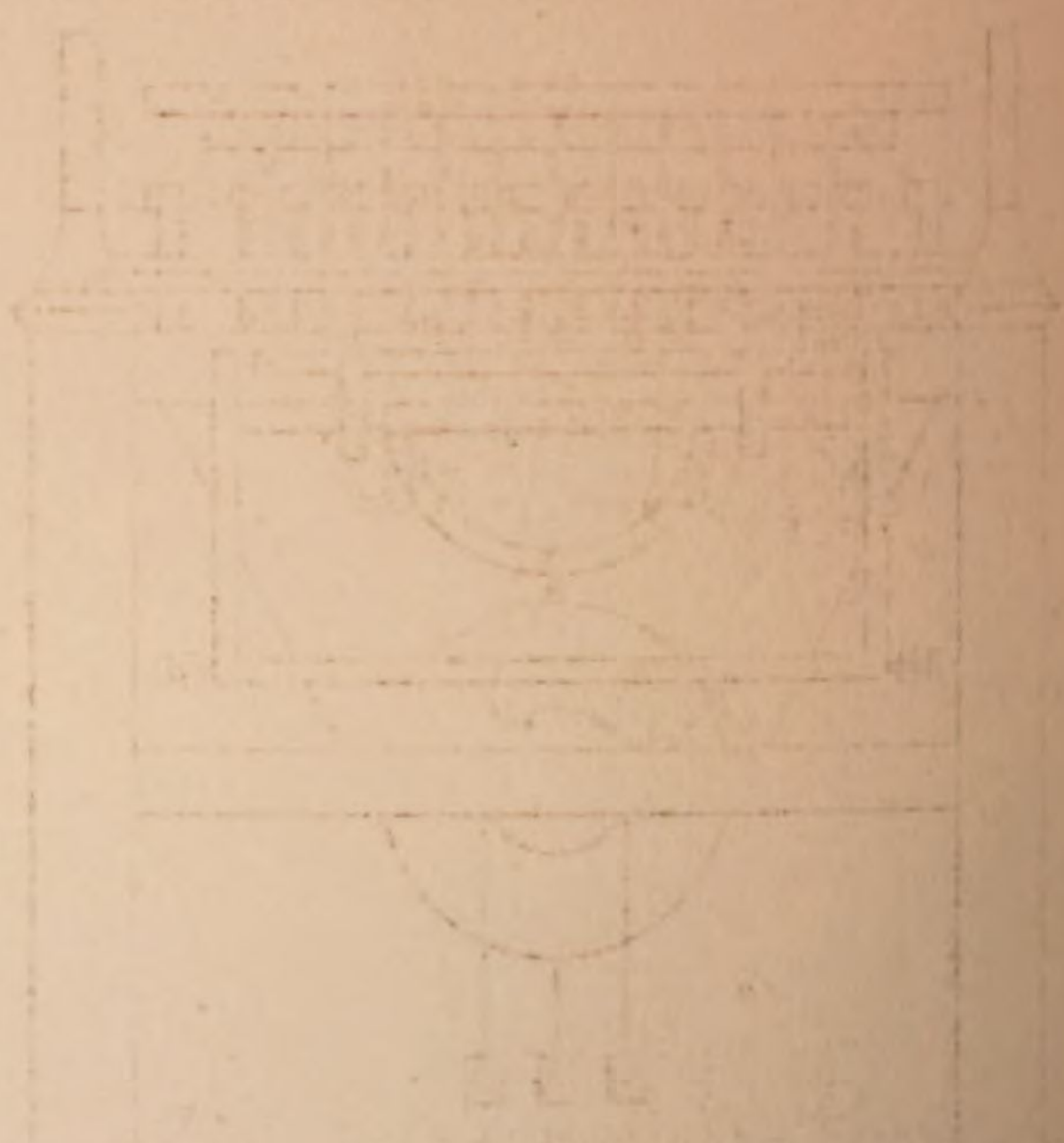
J.W. Lowry fecit.

SECTIONAL
DRAWING



SECTIONAL
DRAWING

SECTIONAL
DRAWING

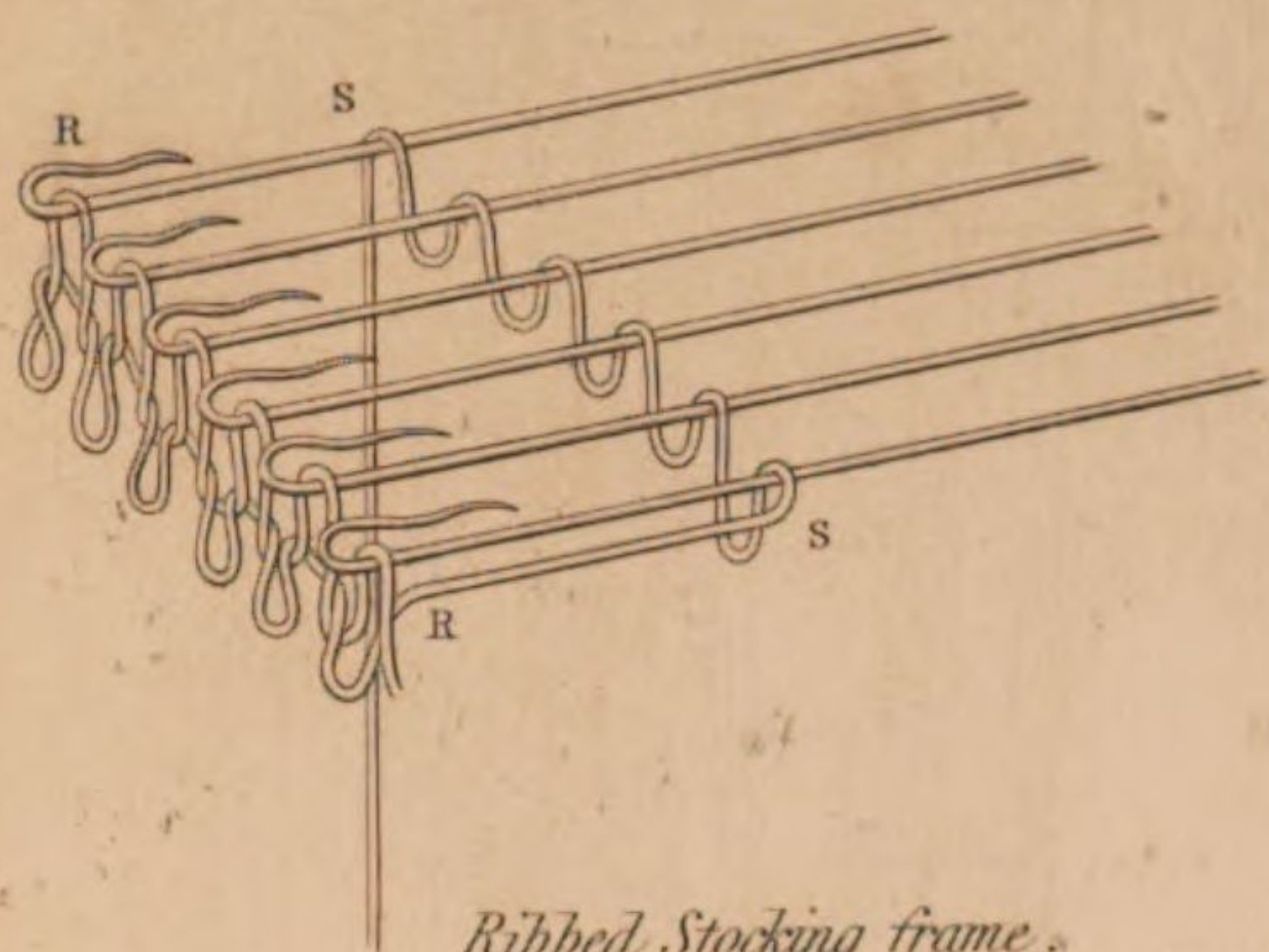


MANUFACTURES.

PLATE LXXVII.

HOSIERY.

Fig. 1.

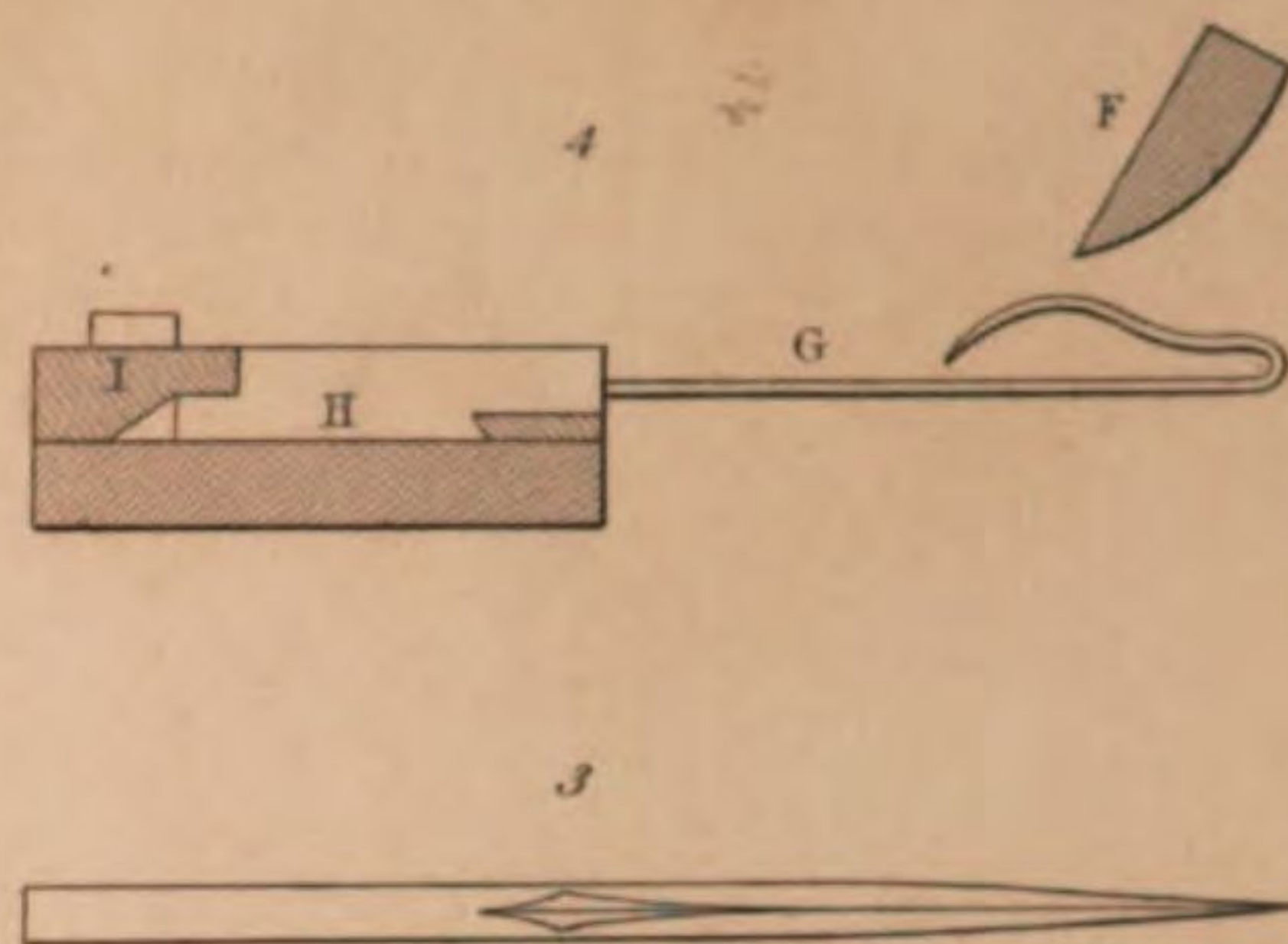


Ribbed Stocking frame.

9

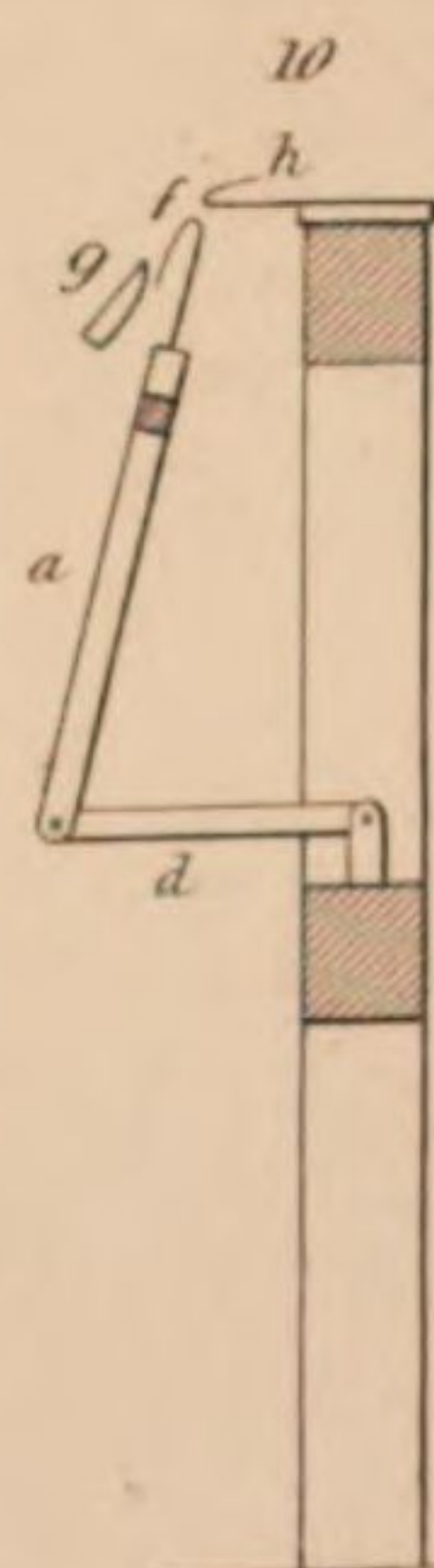
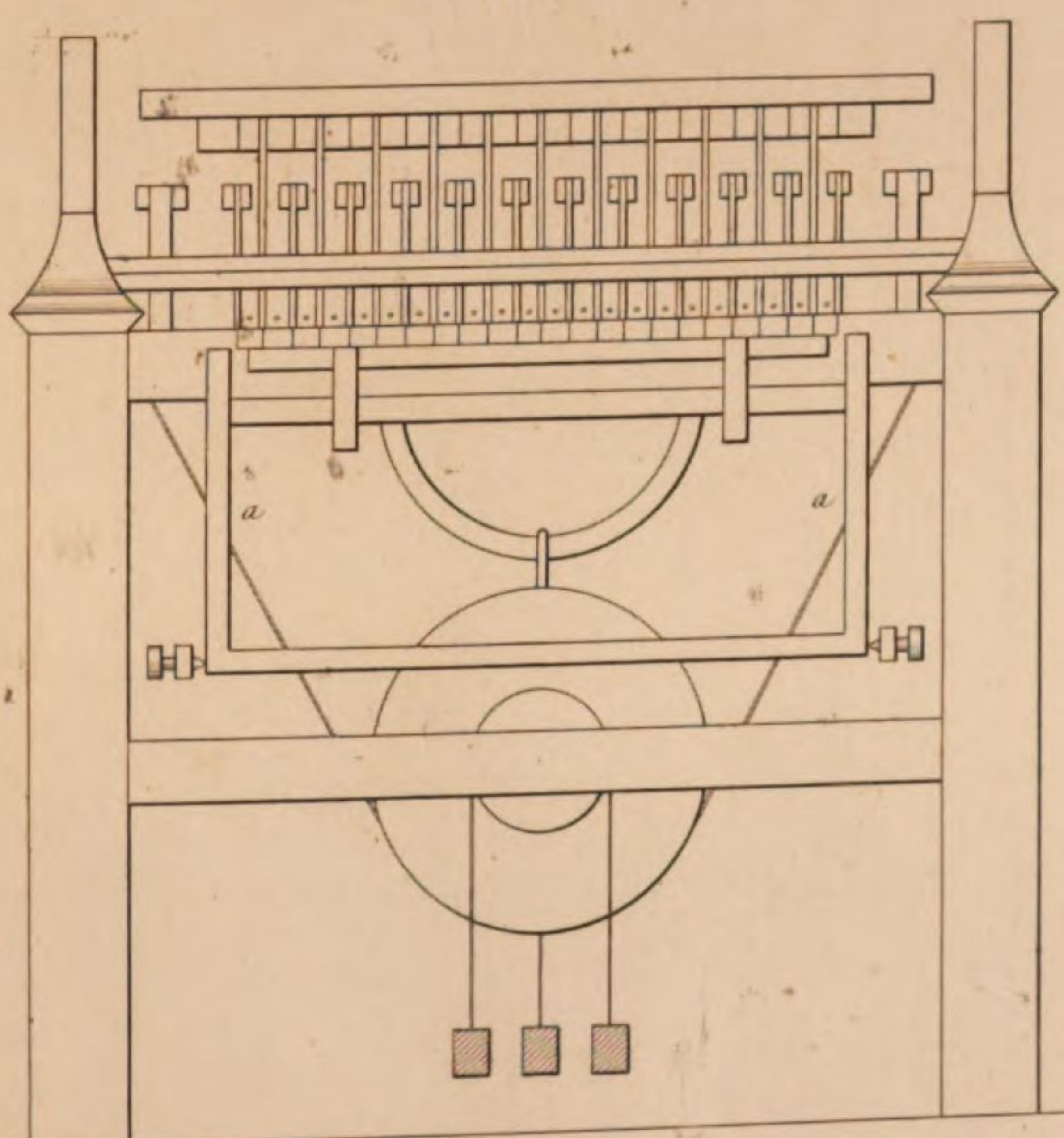


2

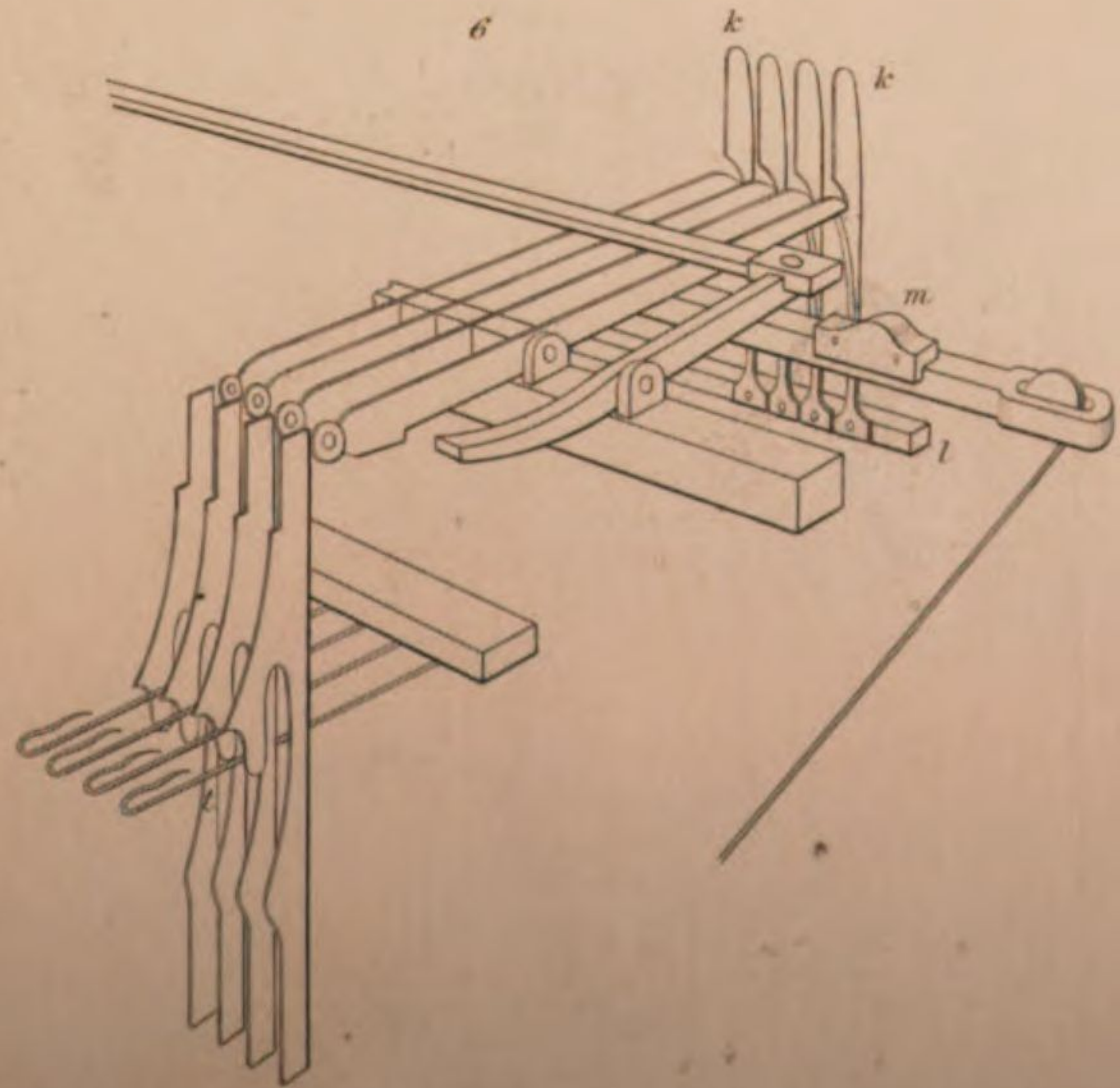
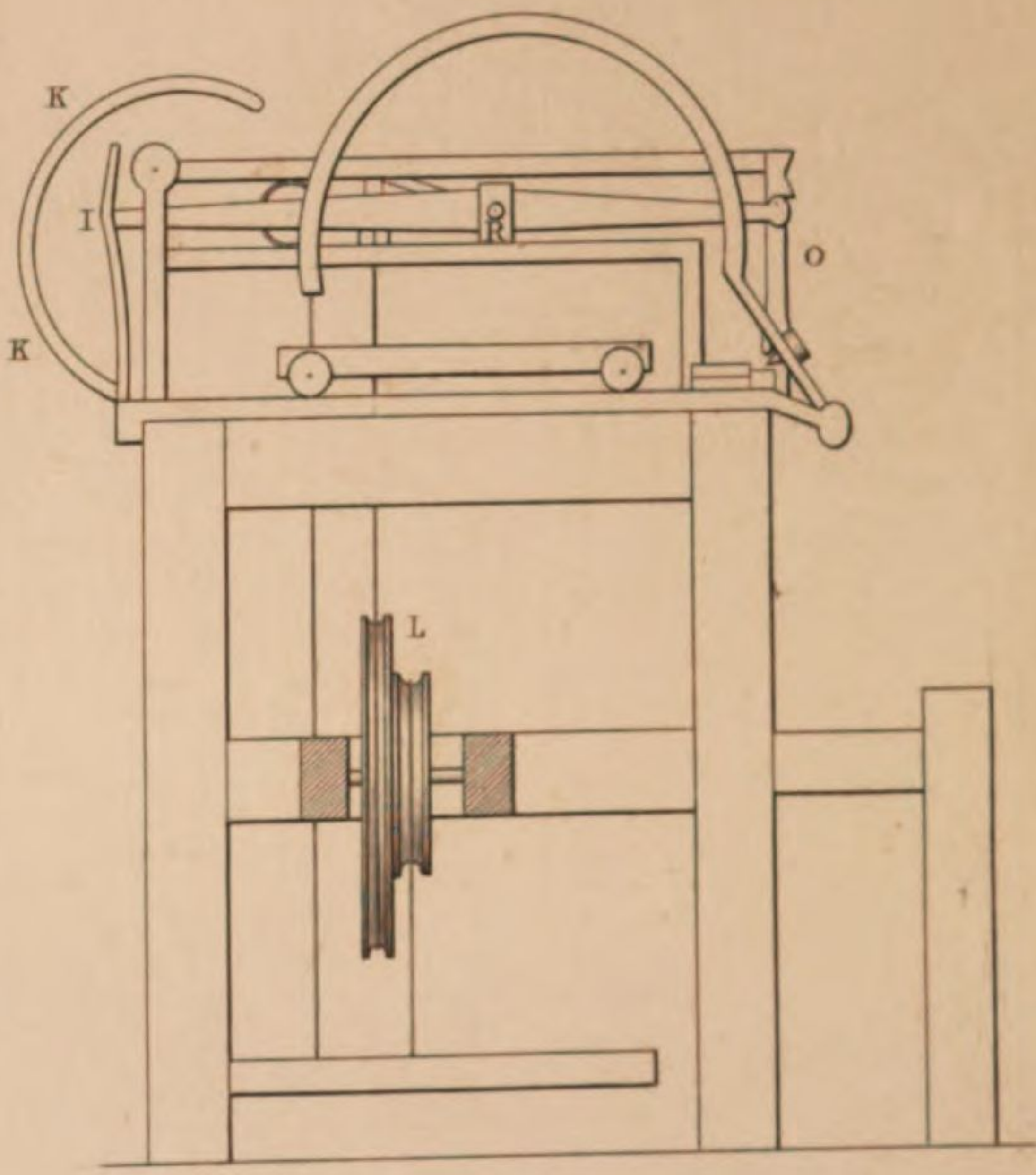


Common Stocking frame.

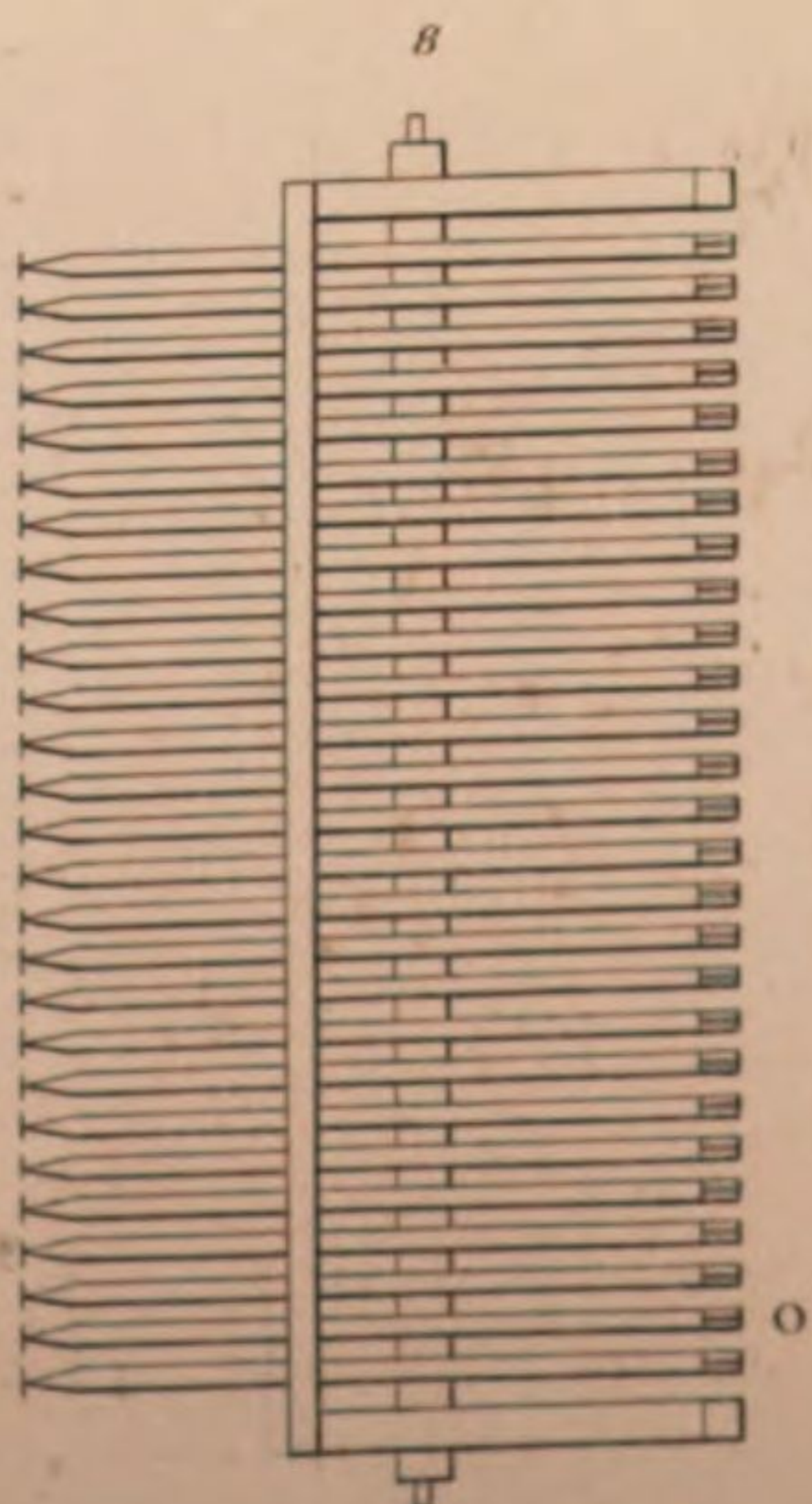
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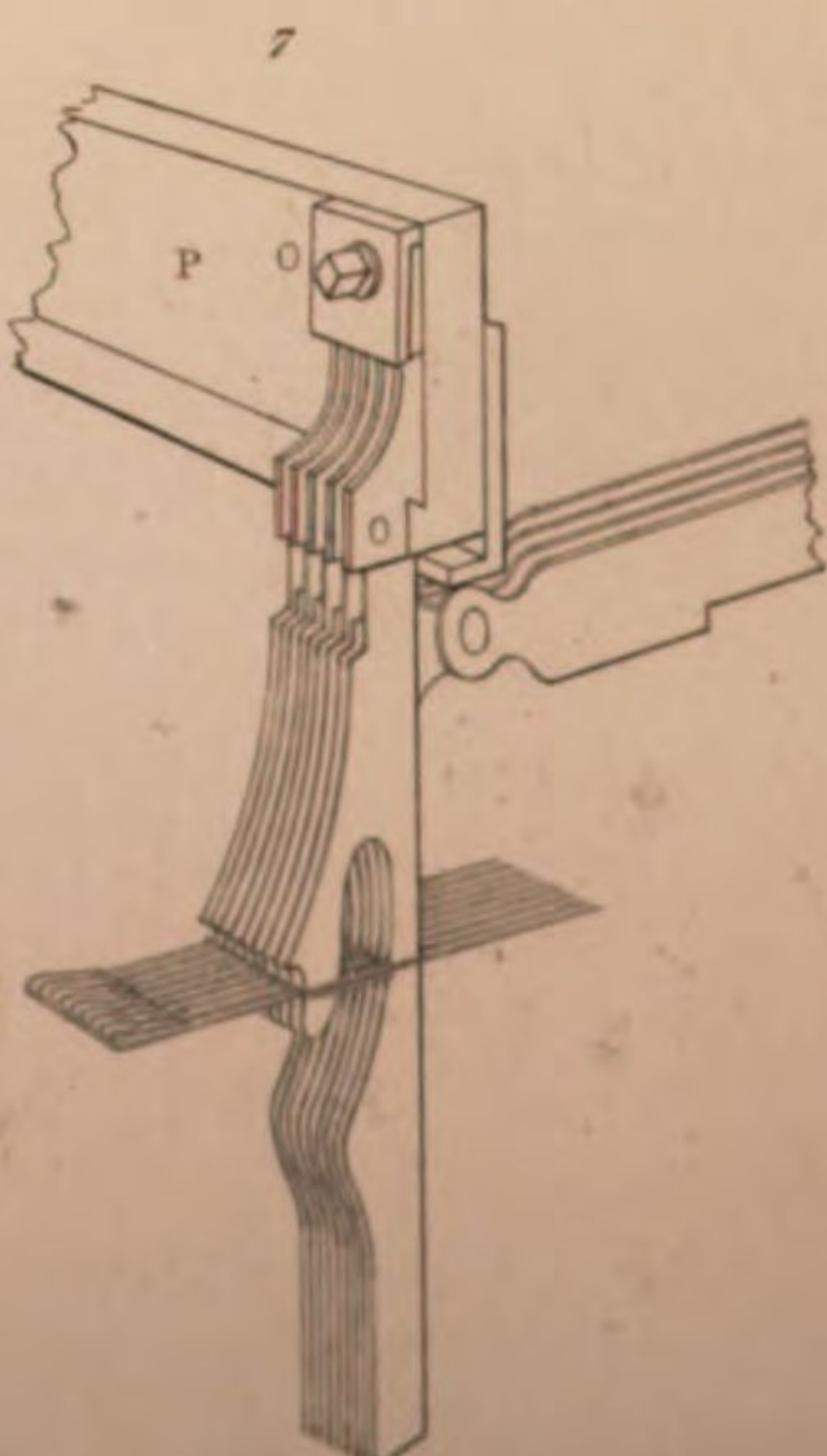
10



6



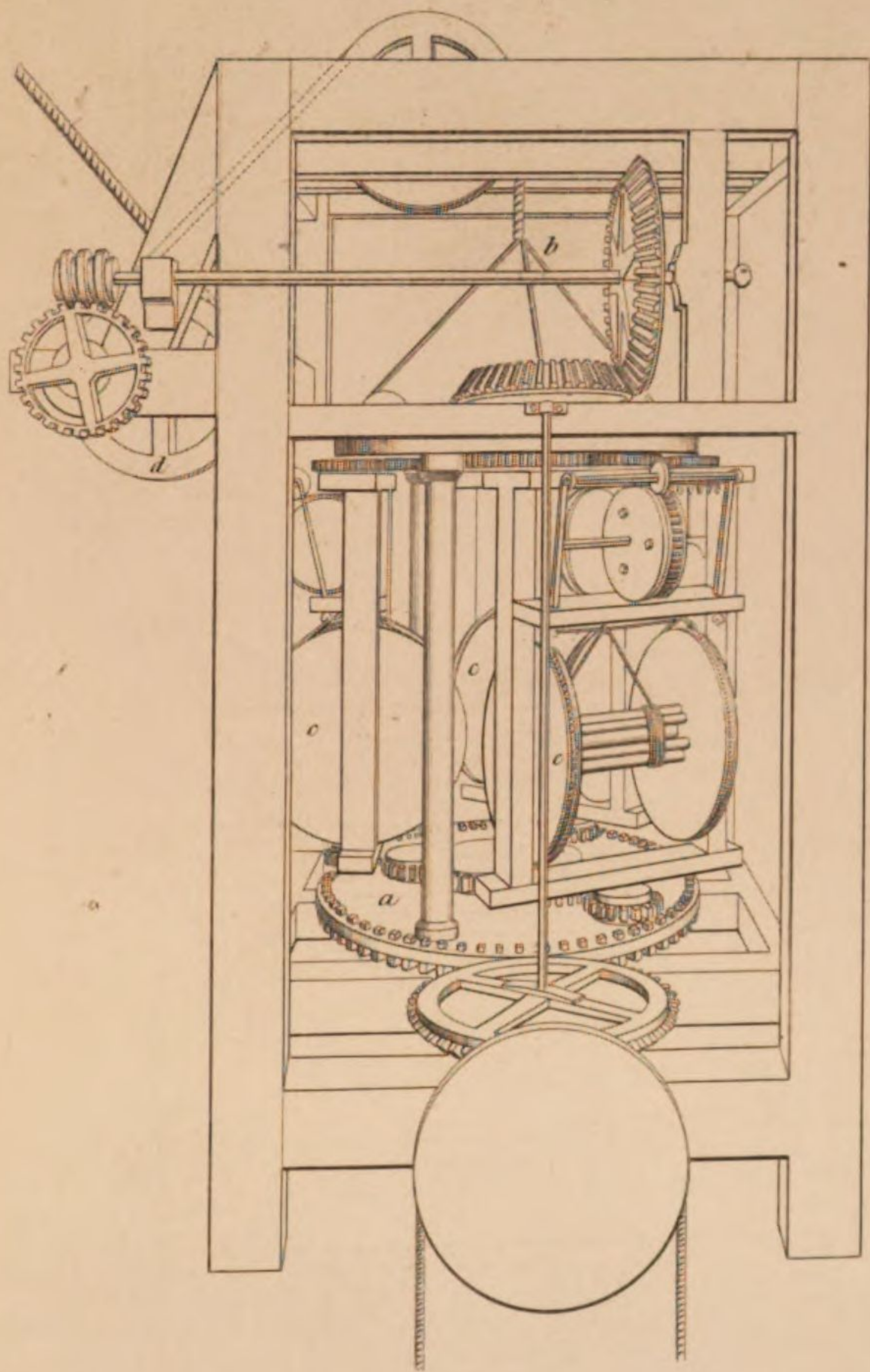
8



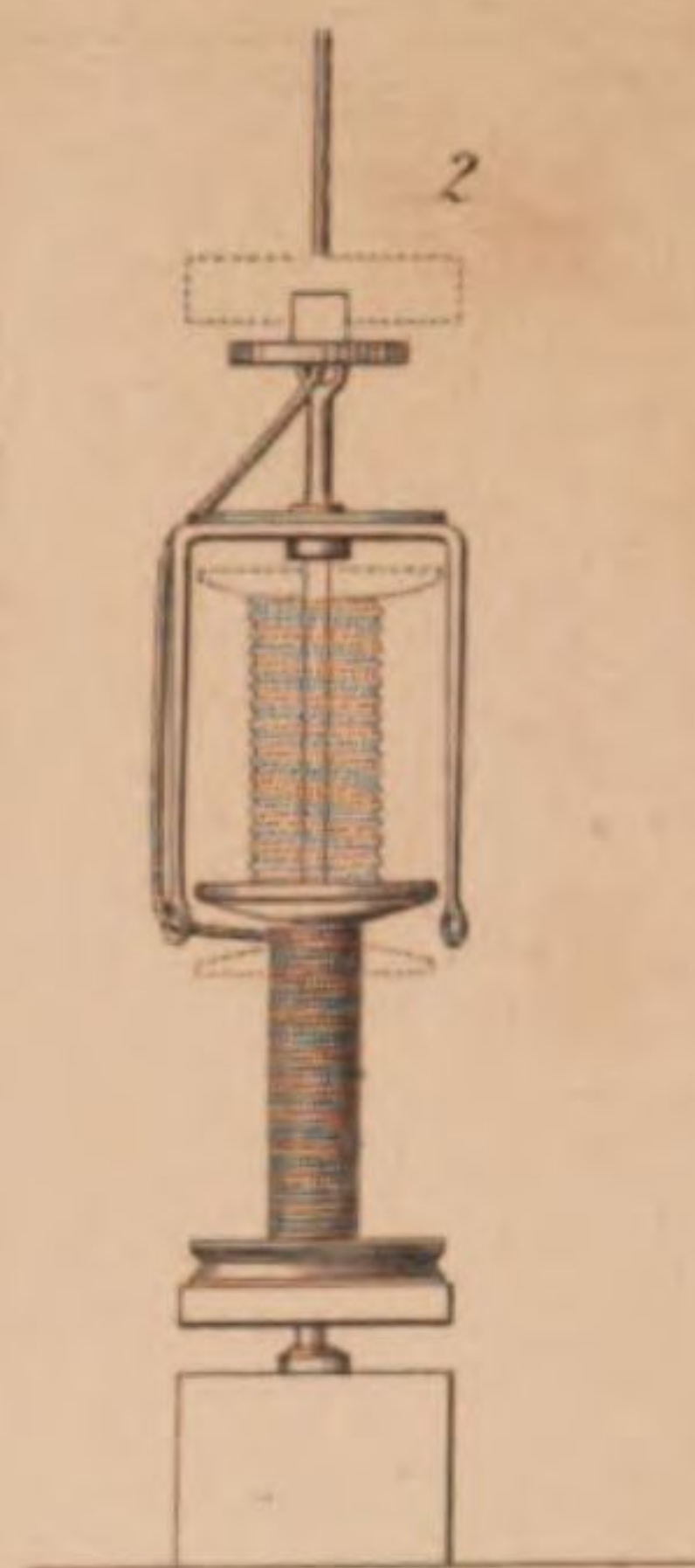
7

Fothergill's Machine.

Fig. 1.

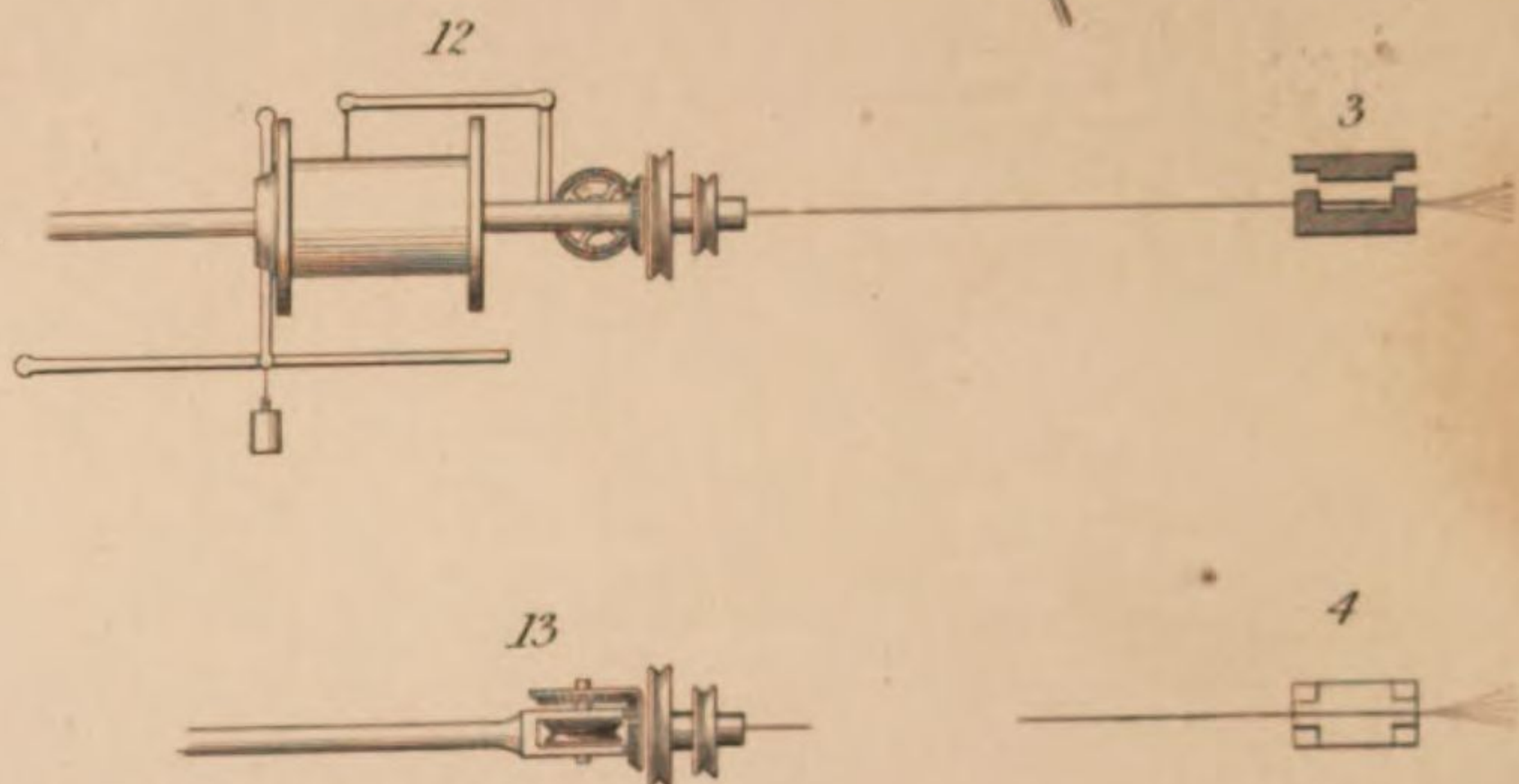
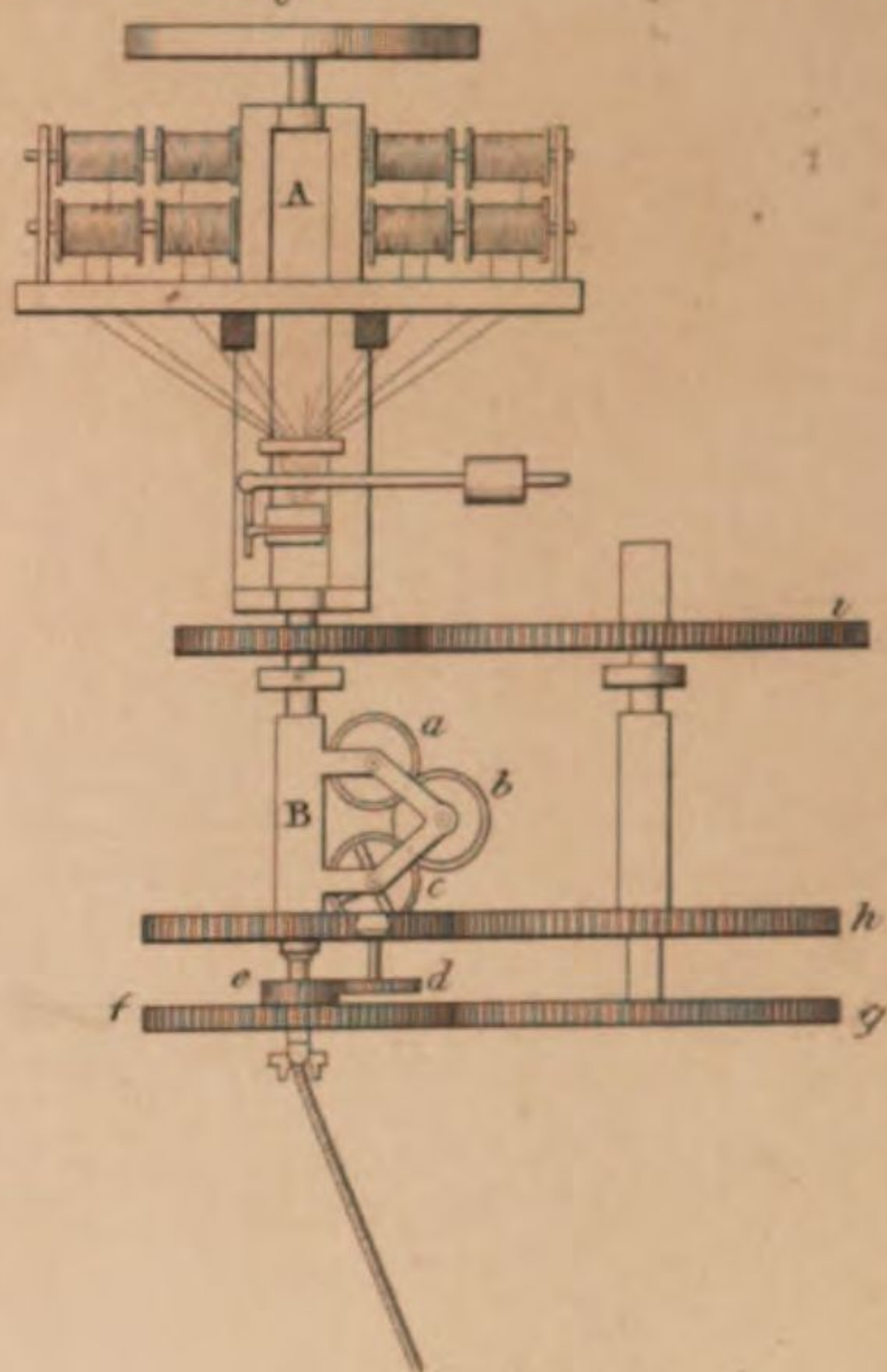


Bobbin & Spindle.

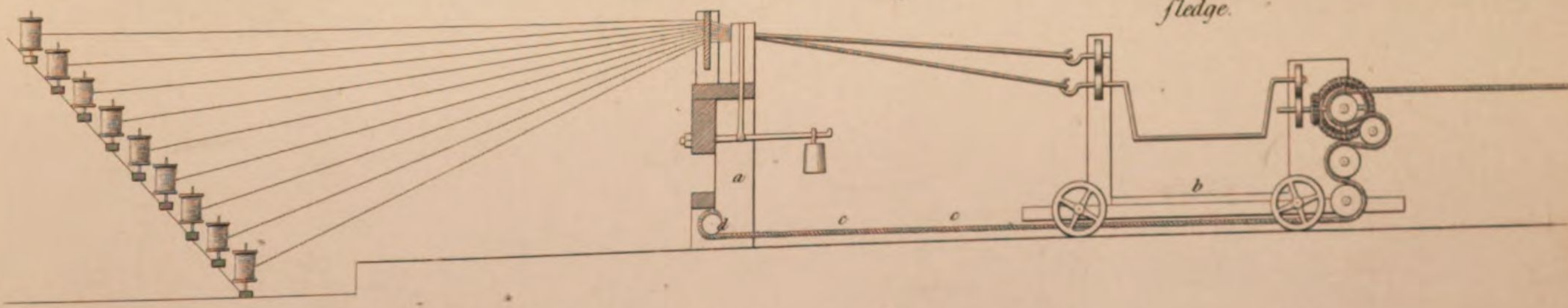


Machine for forming a Rope.

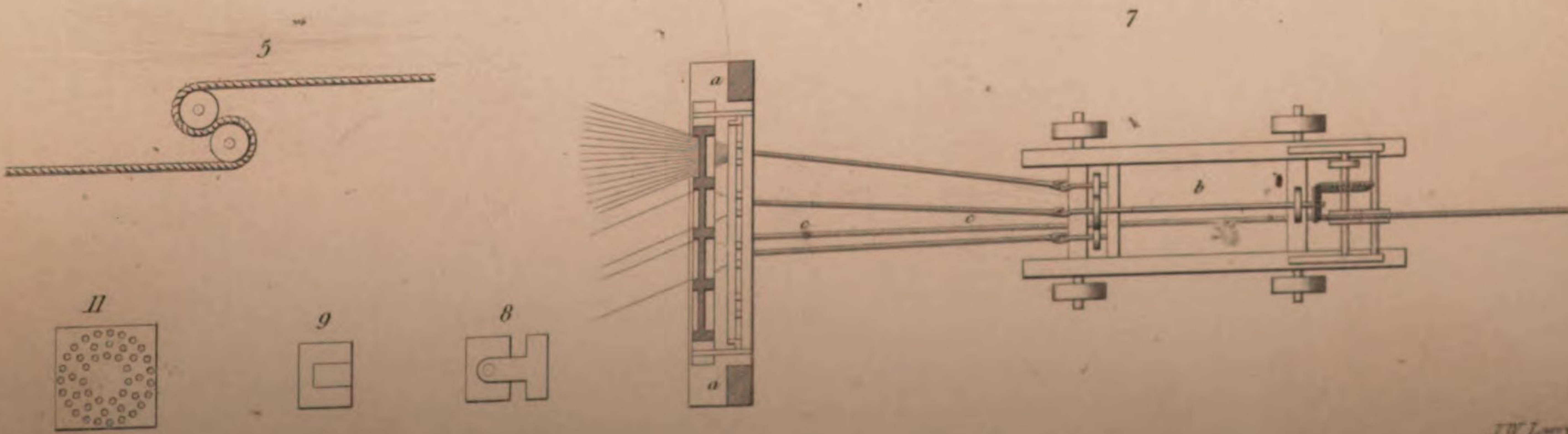
Fig. 10.



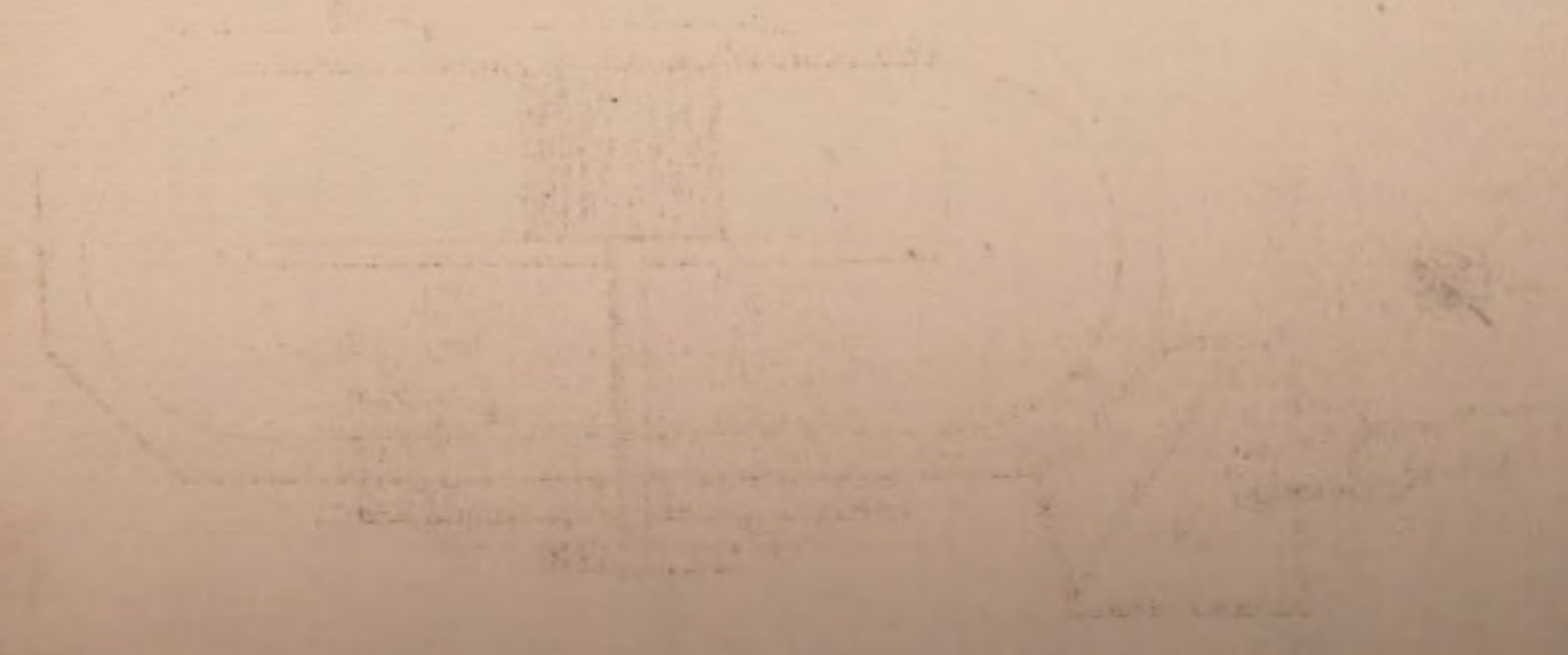
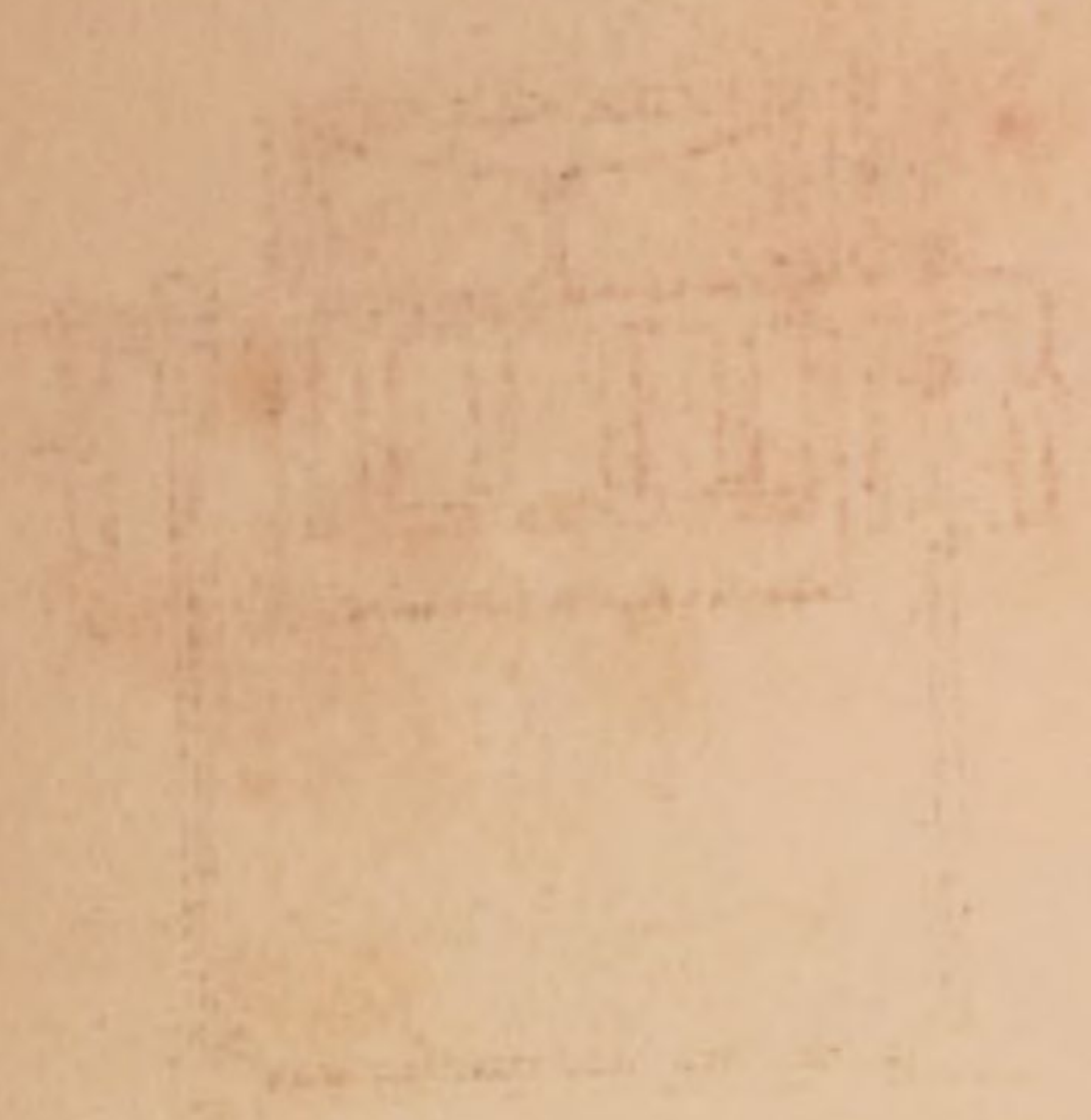
Tackle board.



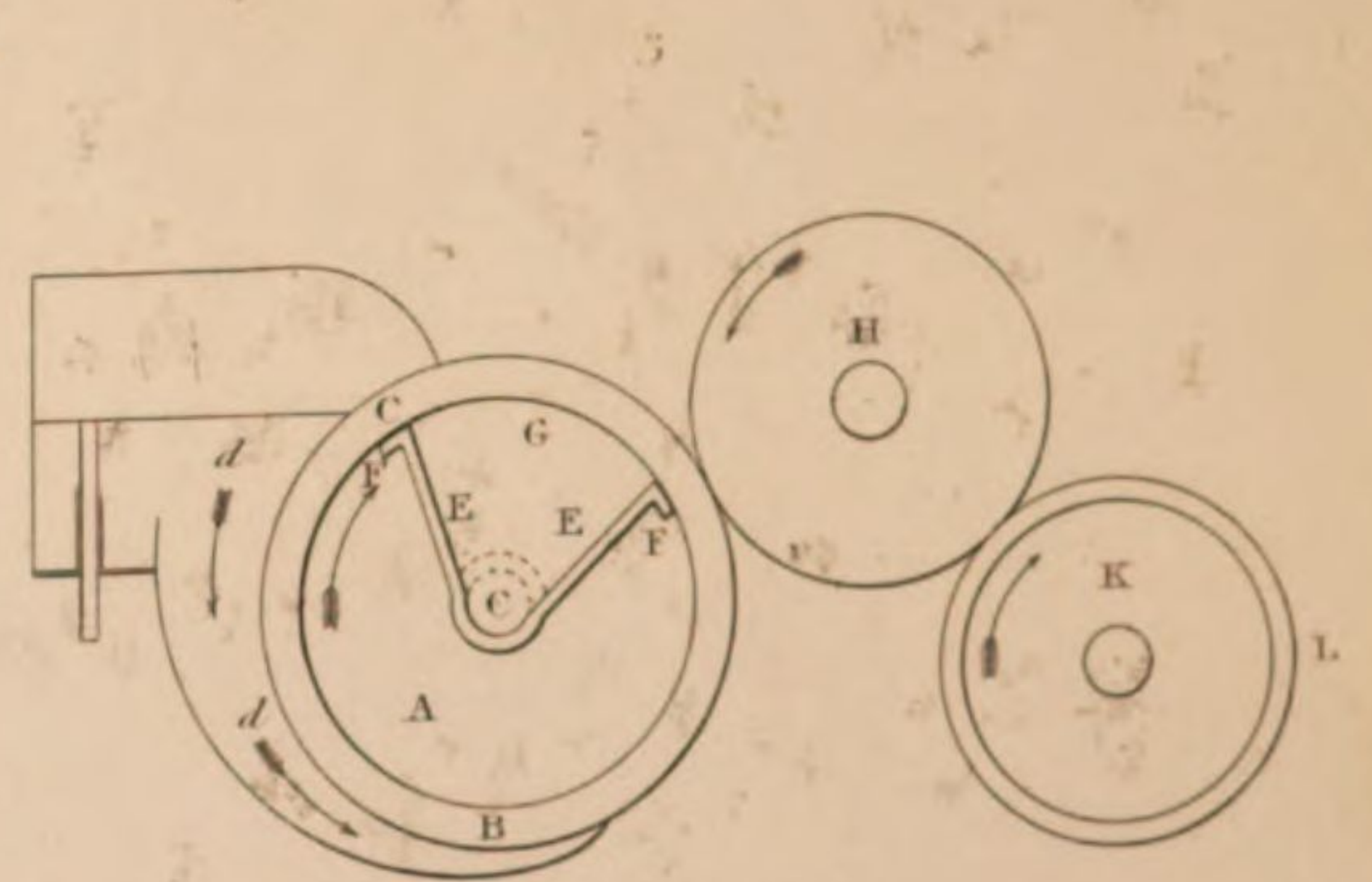
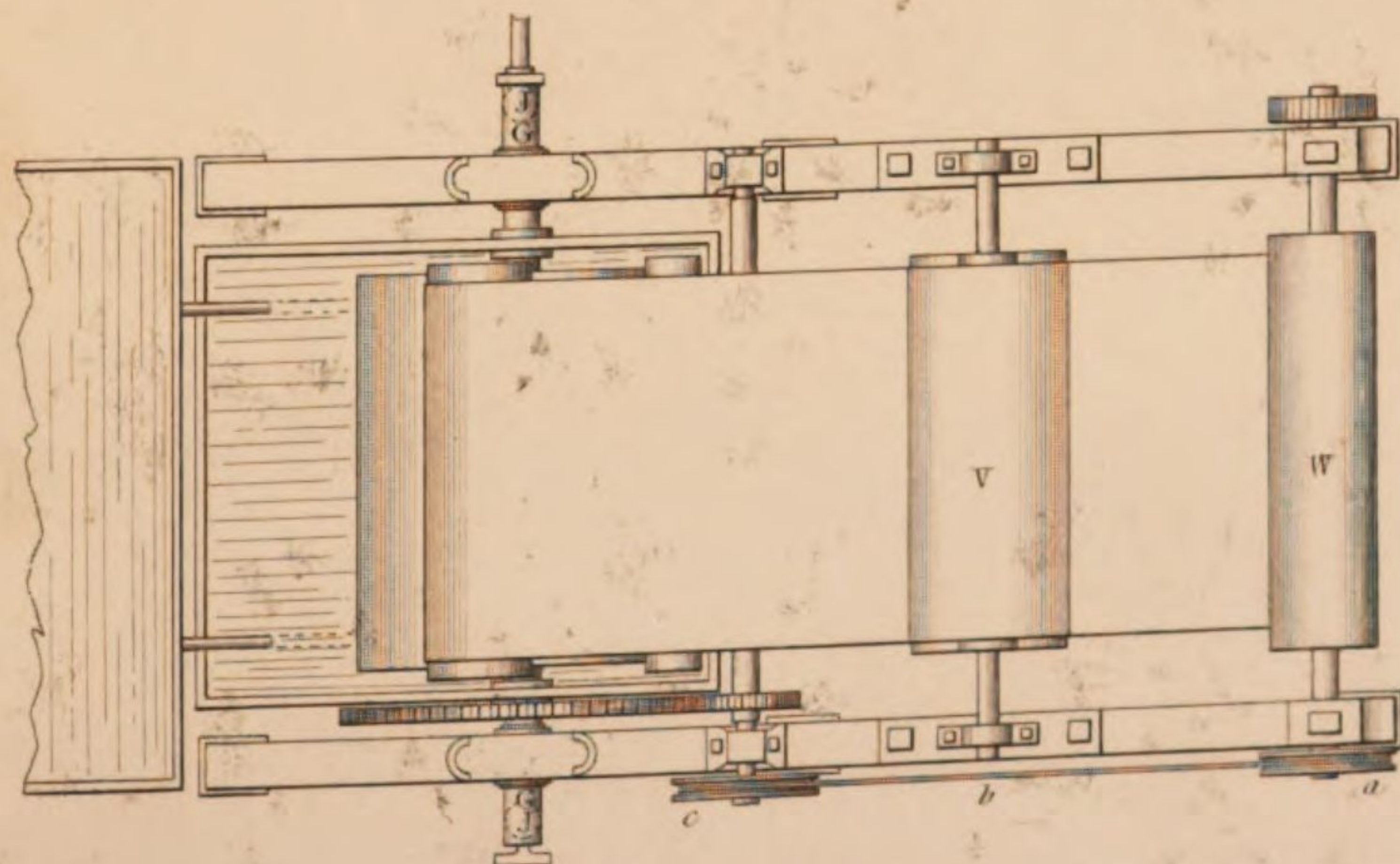
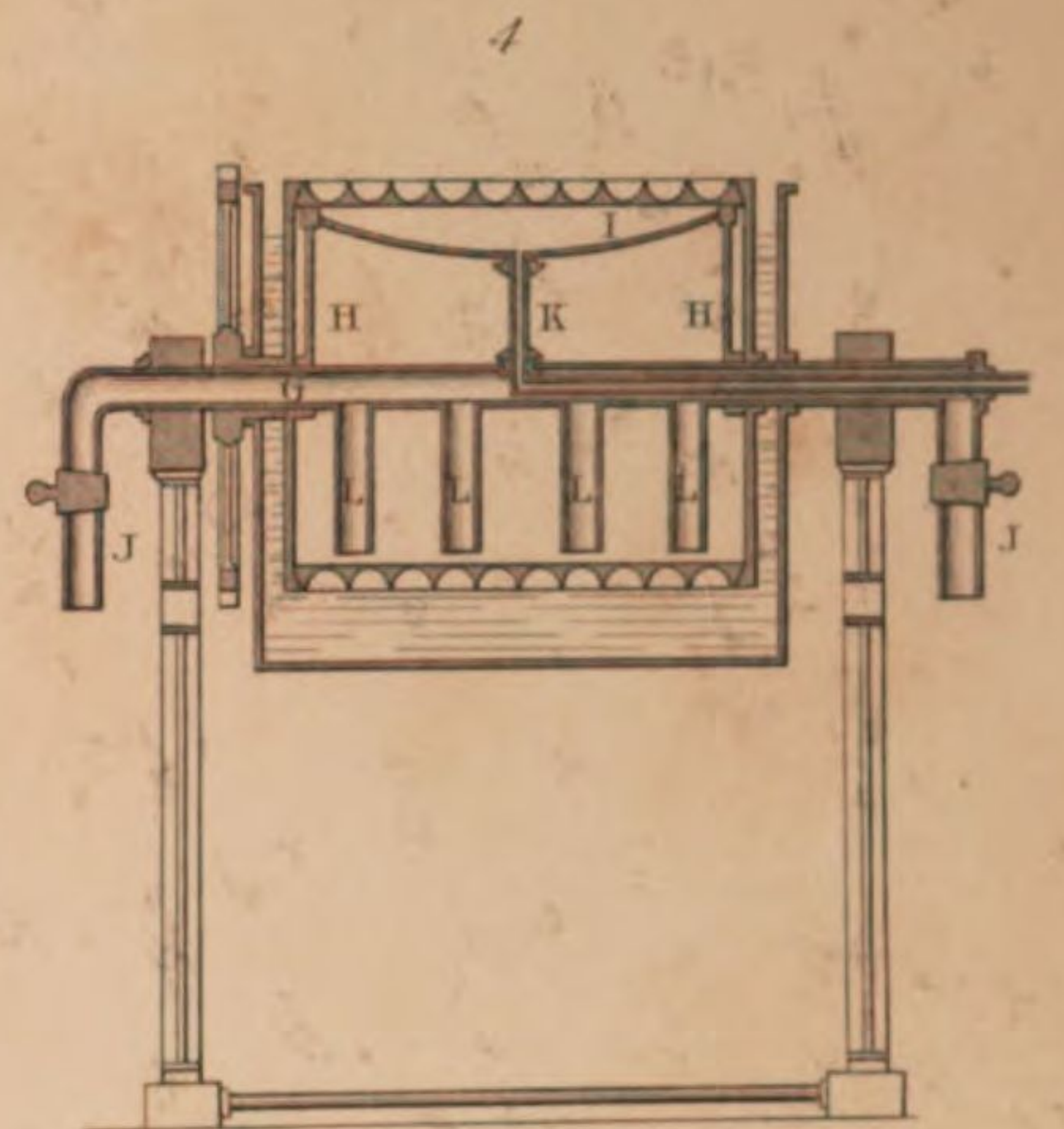
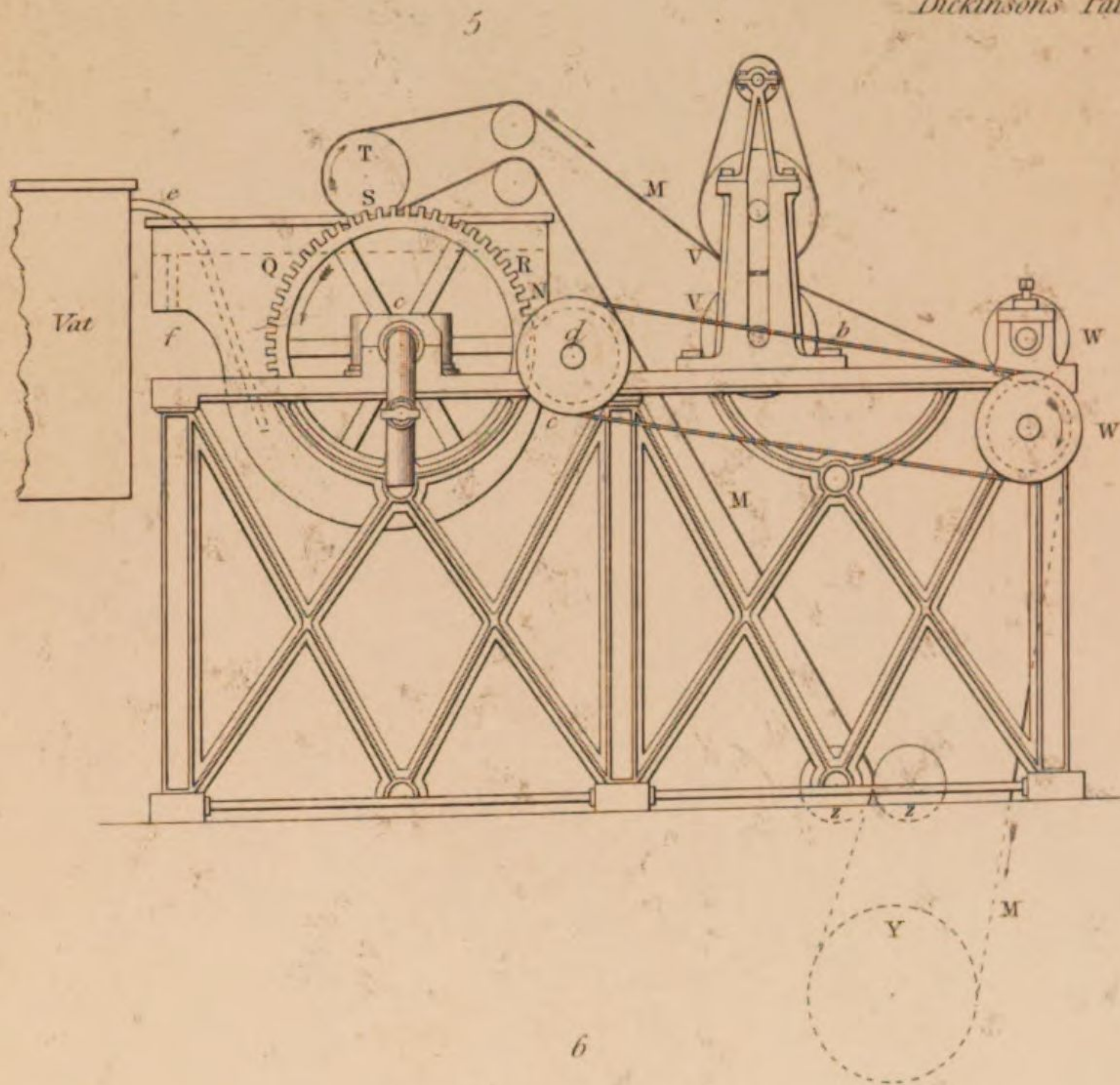
Plan of tackle board & fledge.



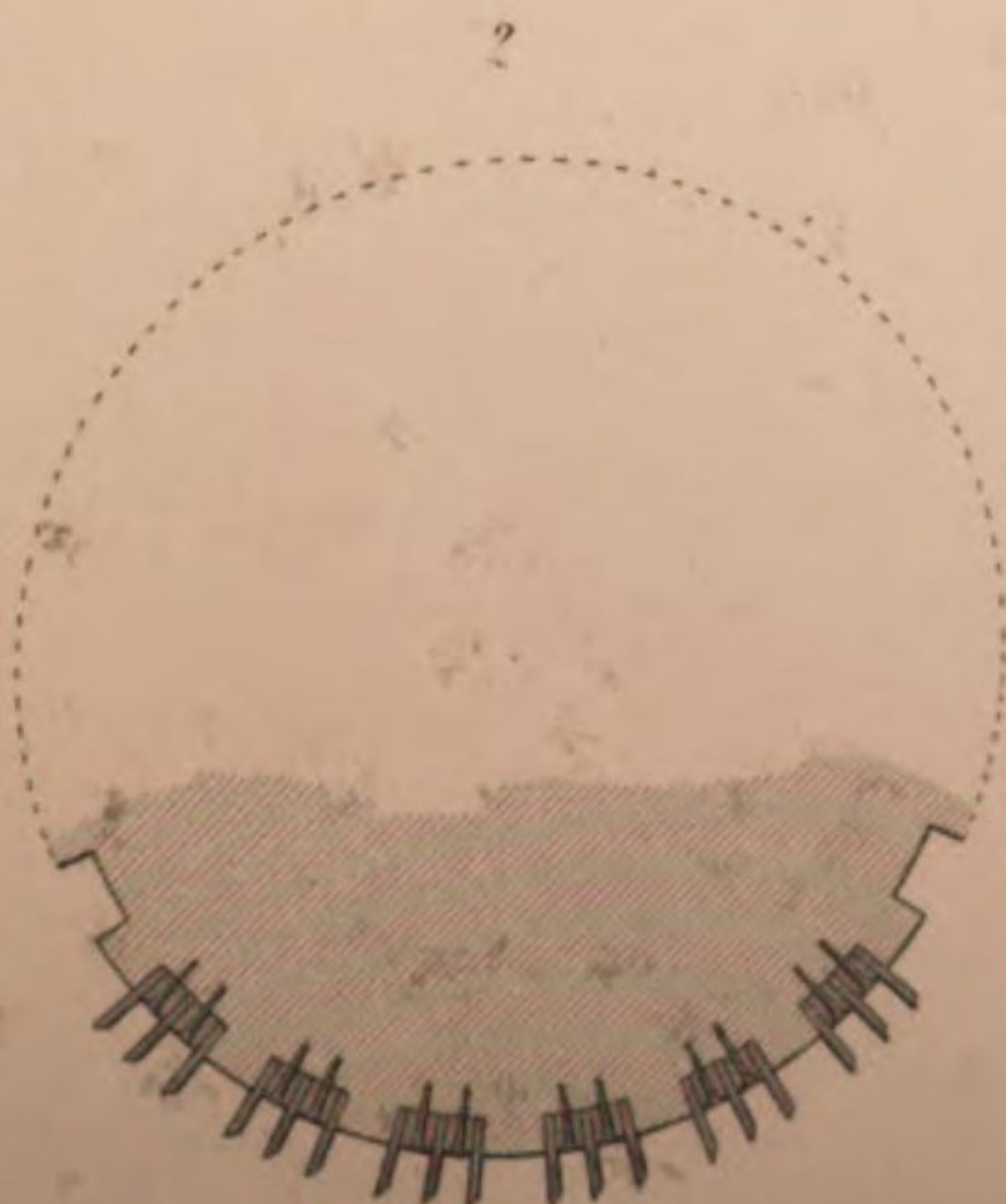
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Dickinson's Patent.

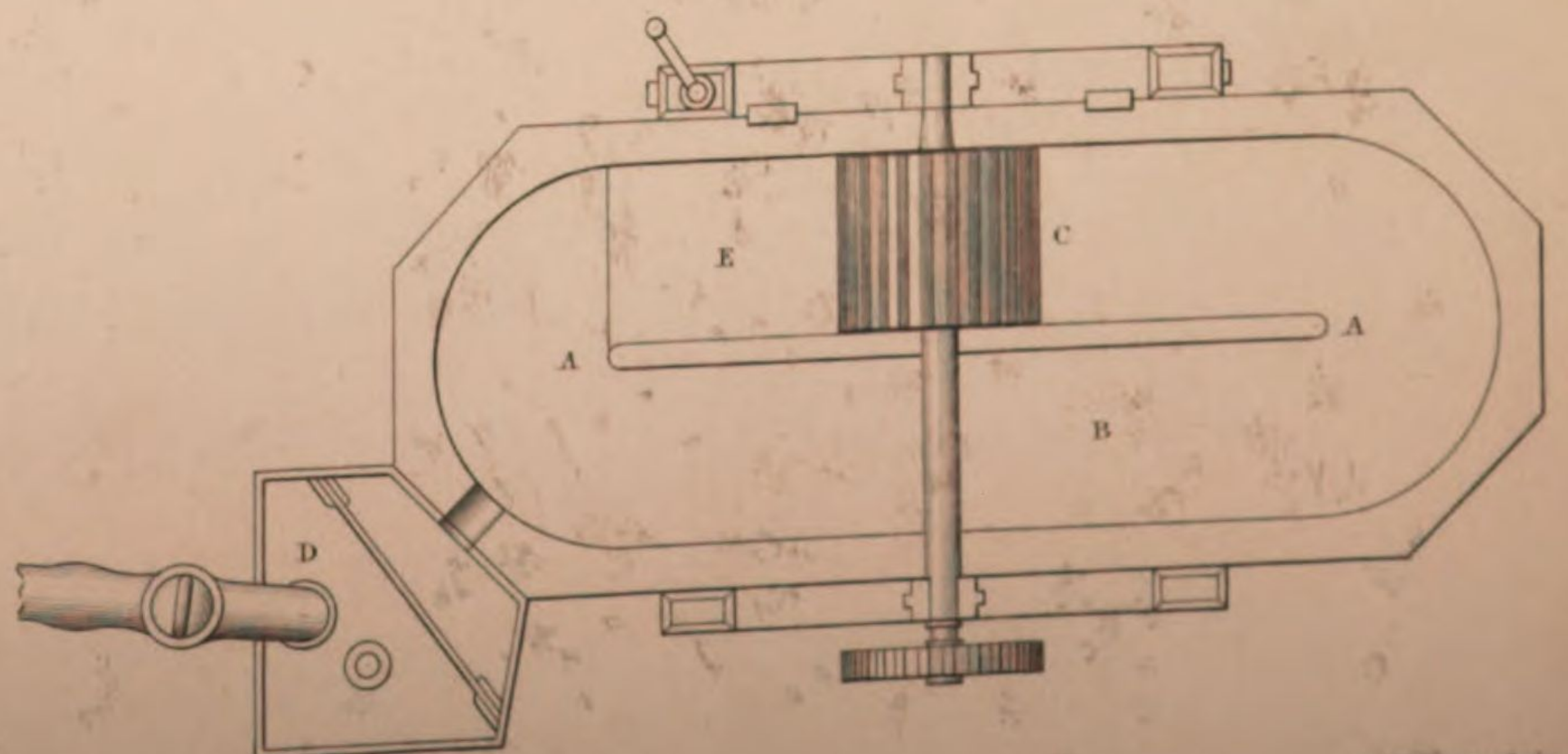


Section of Wheel.

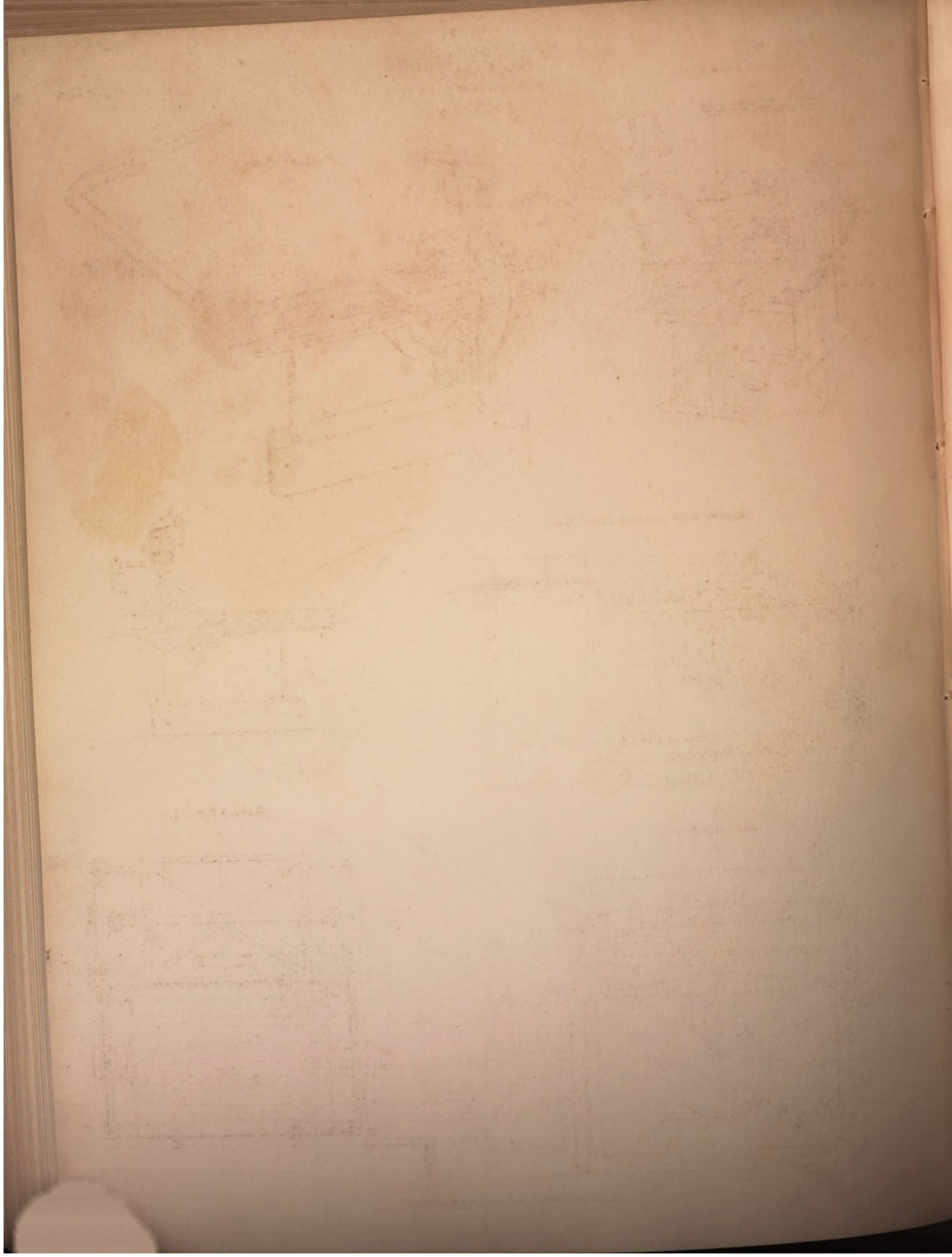


Cutting Engine.

Fig 1



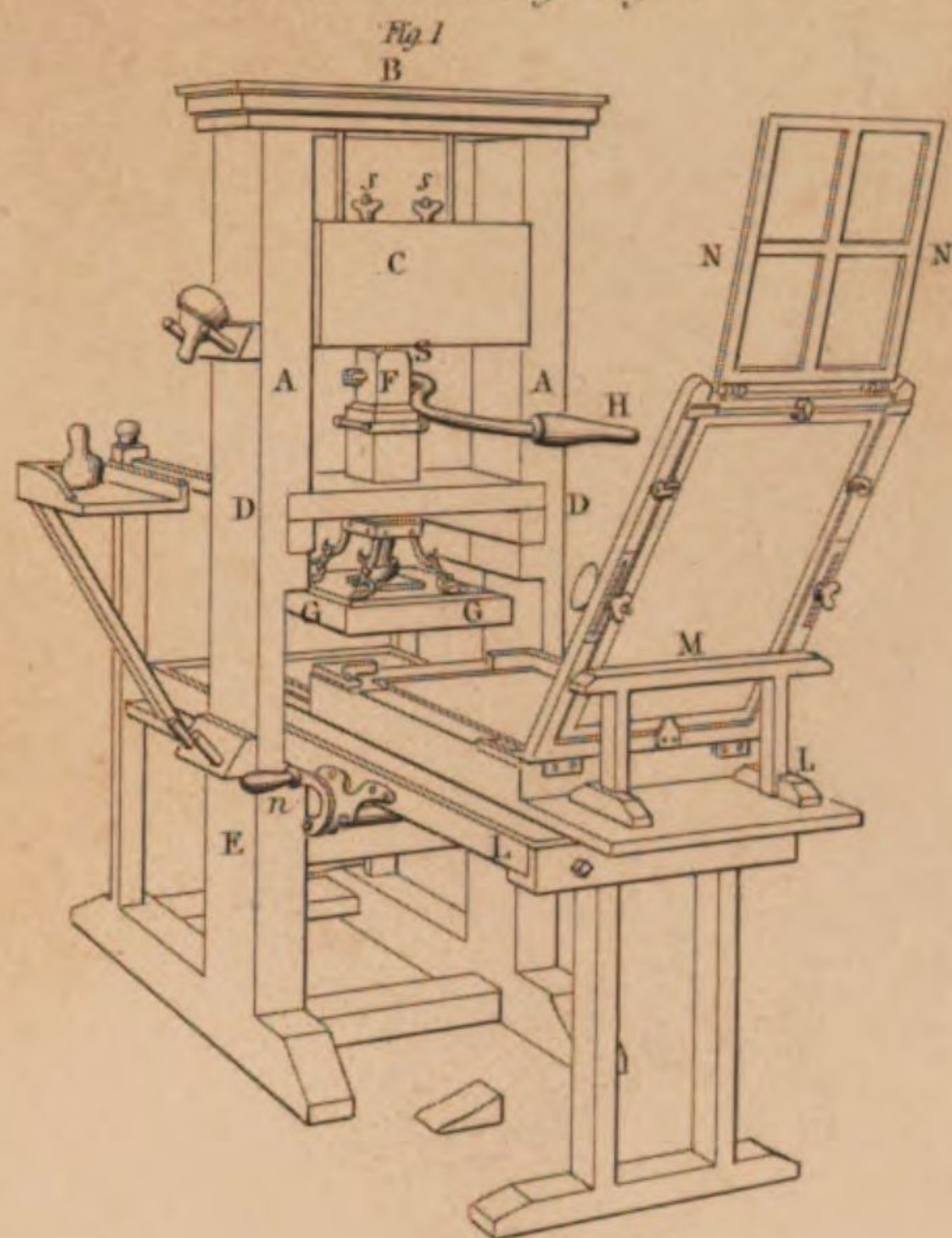
J.W. Esery sculp



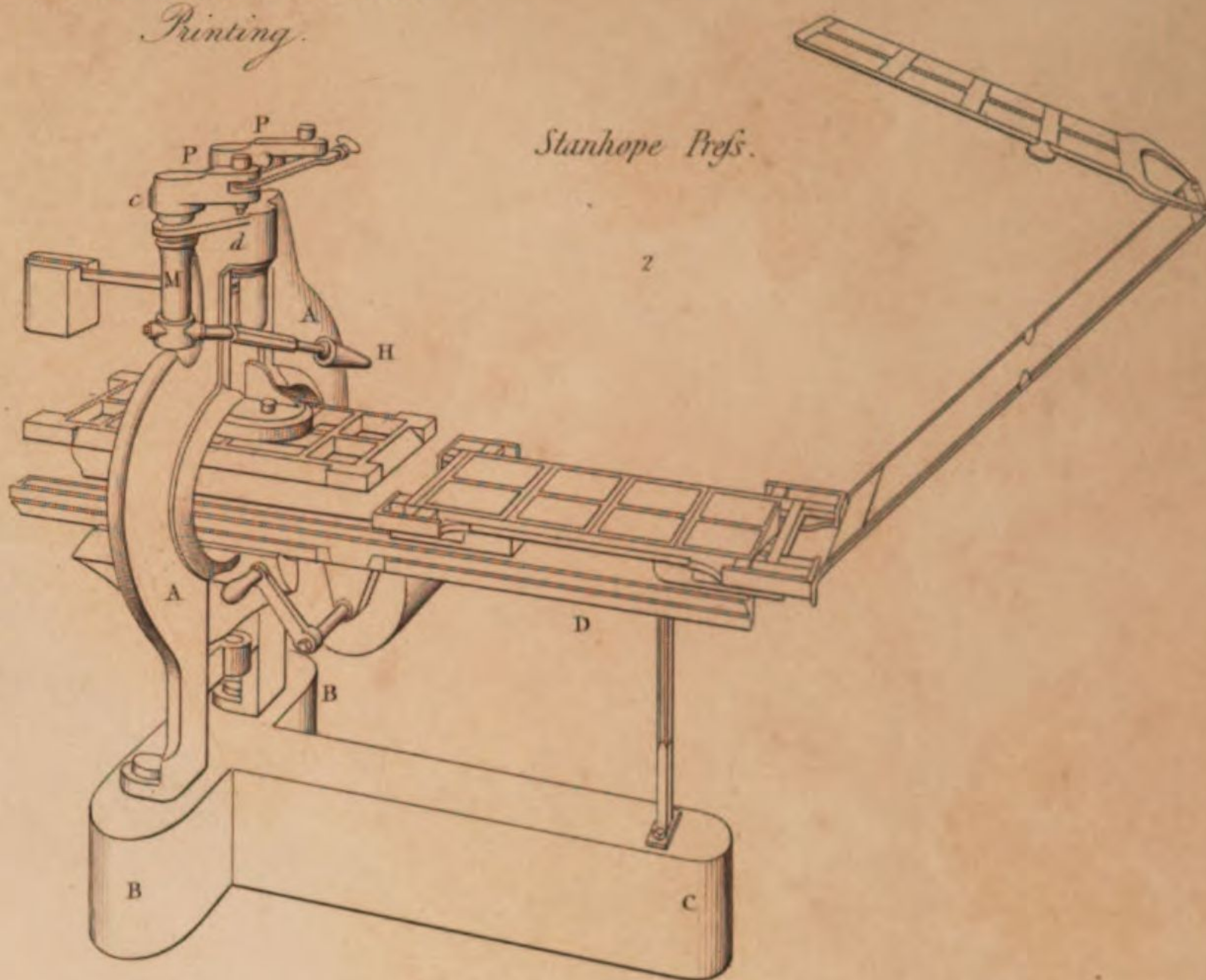
MANUFACTURES.
MISCELLANEOUS PROCESS
Printing.

PLATE LXXX.

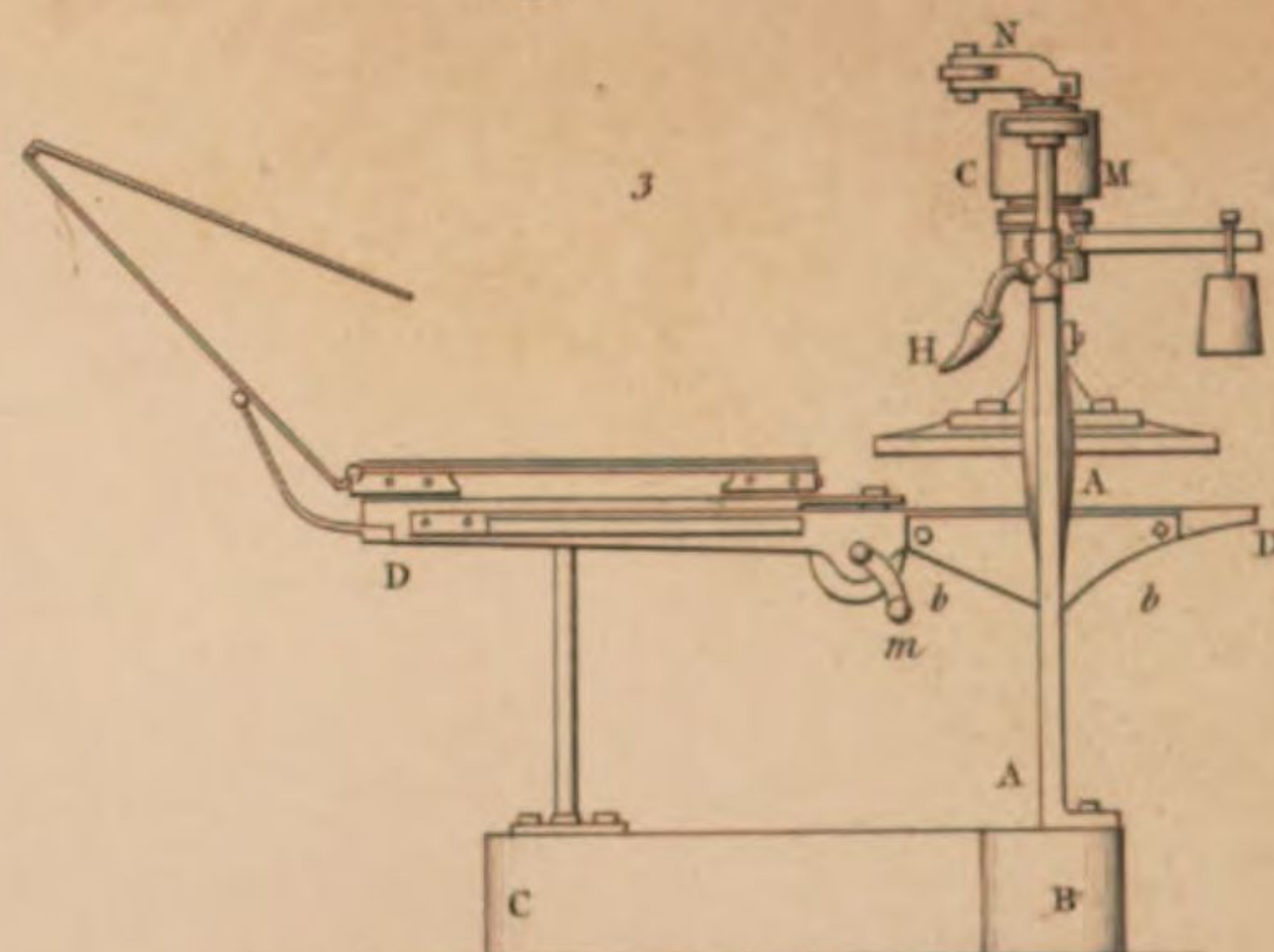
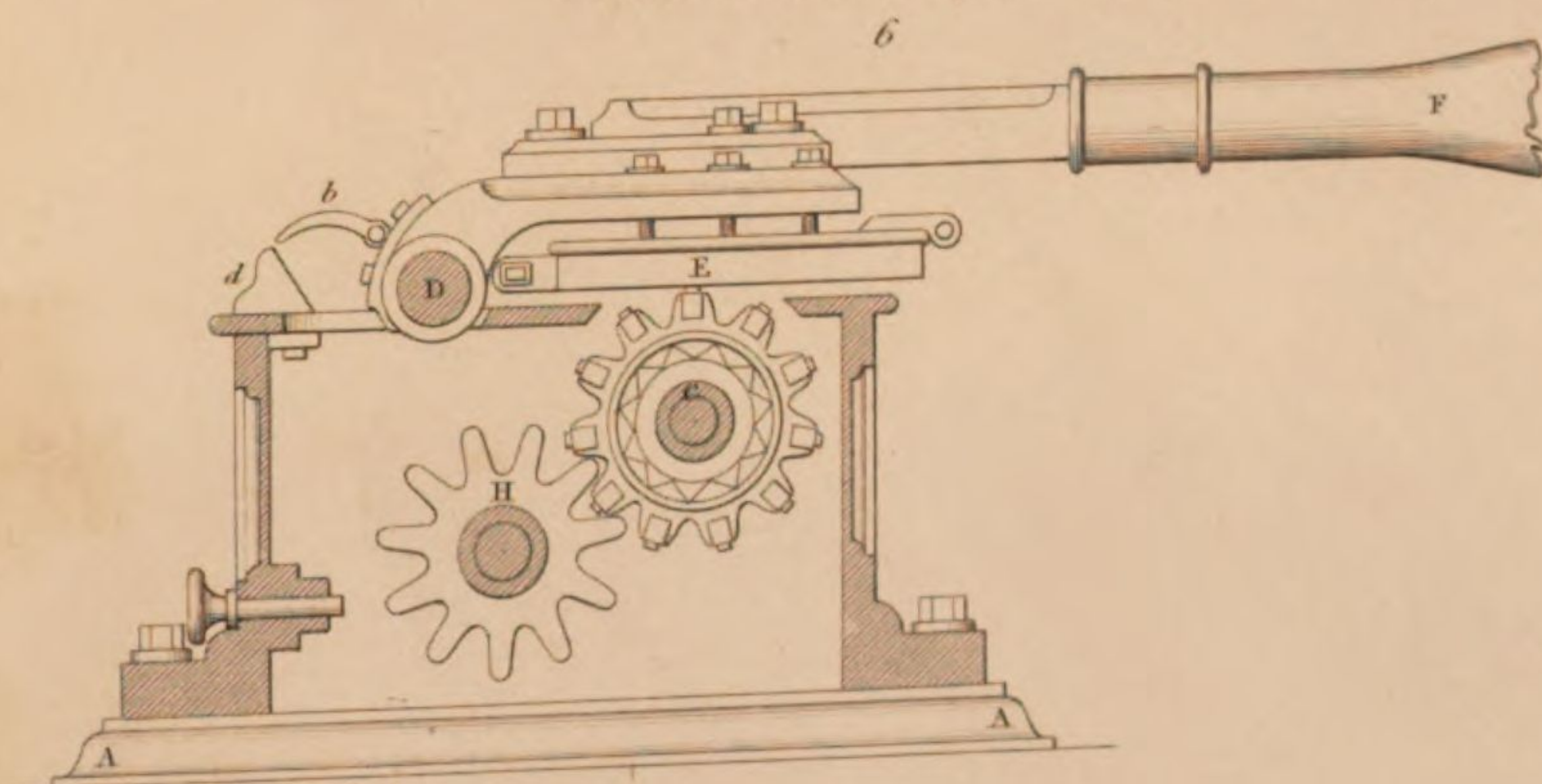
Common Printing Press.



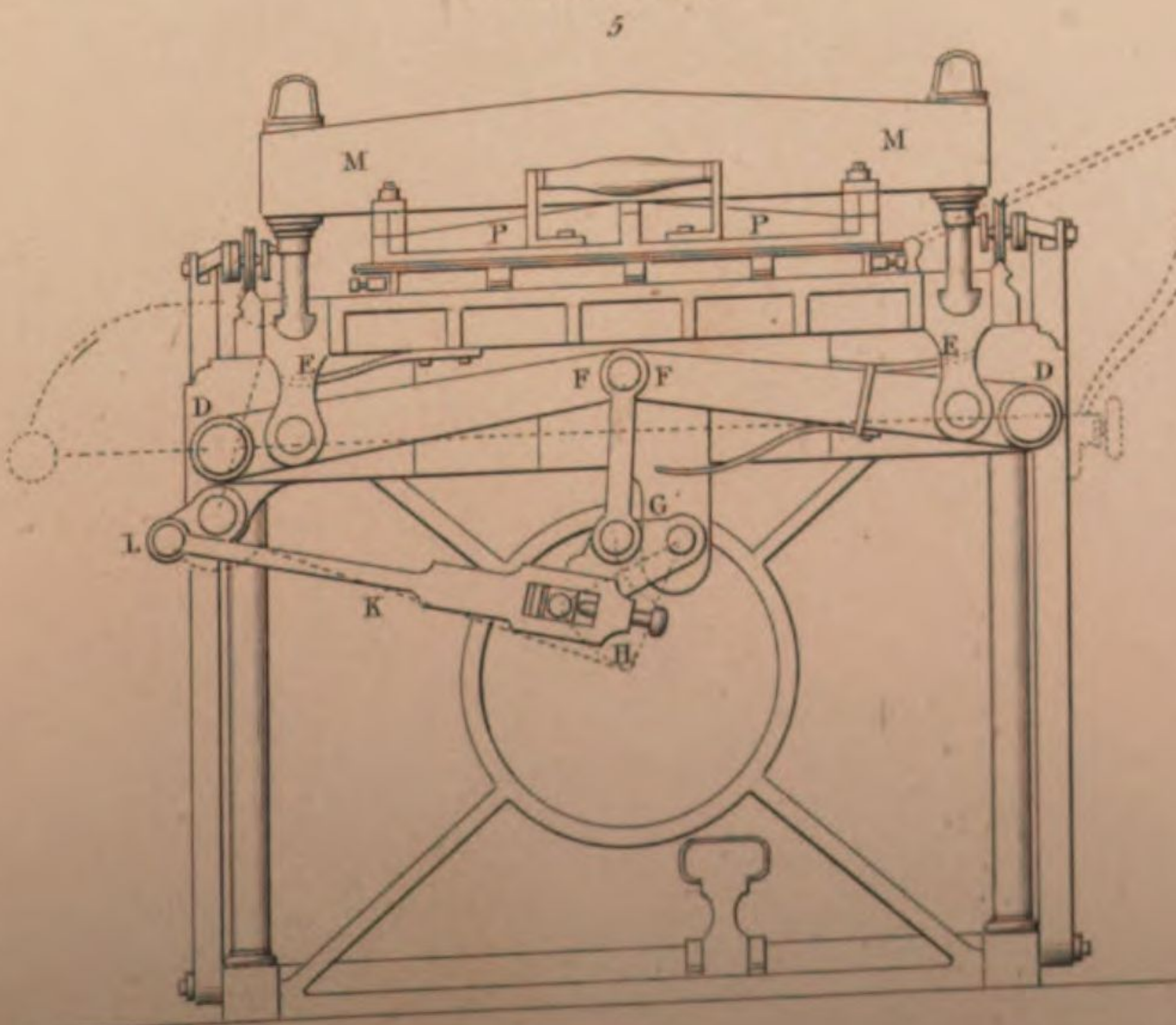
Stanhope Press.



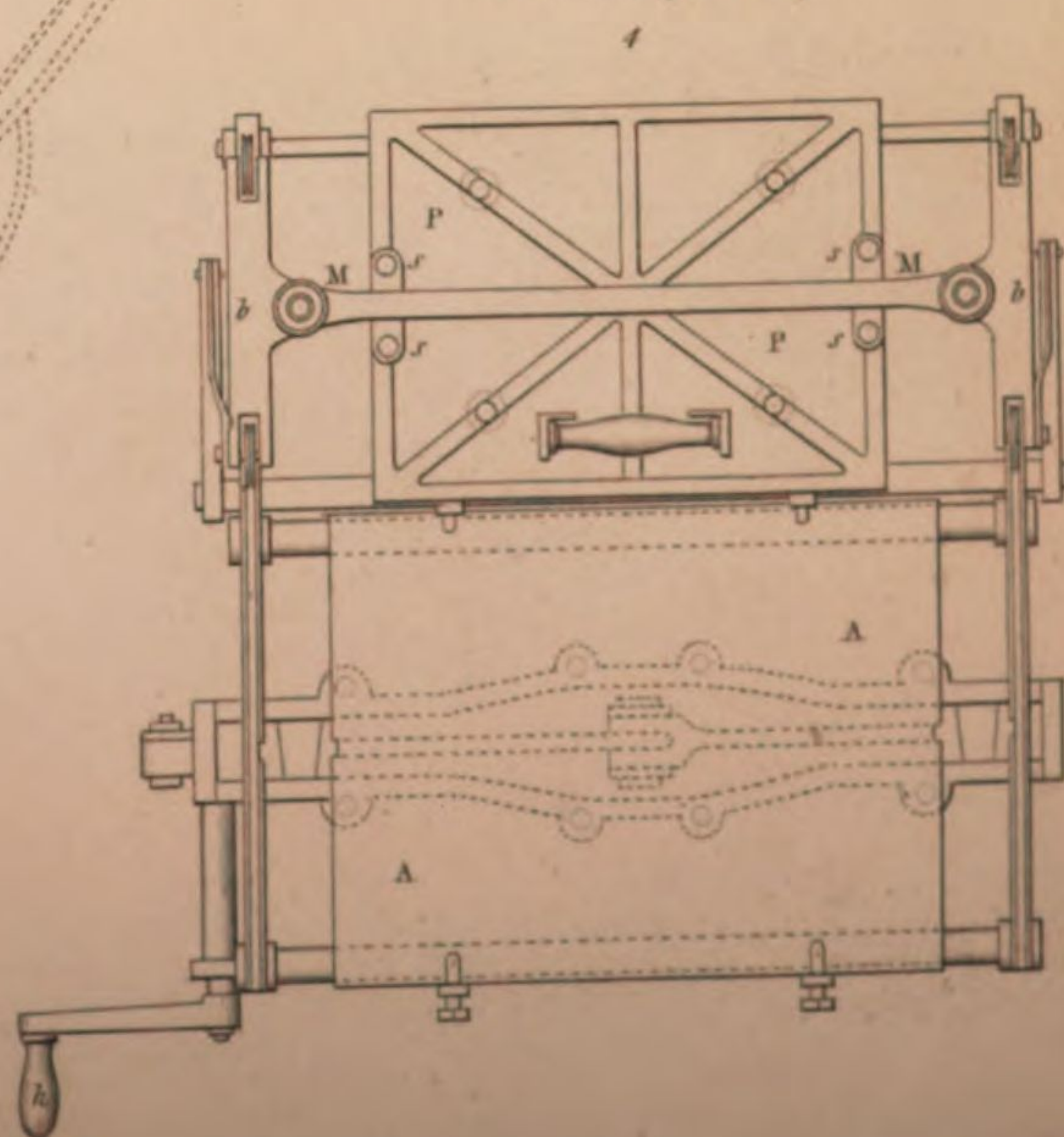
Machine for Numbering Bank Notes.



Ruthven's Press



Ruthven's Press (Plan.)

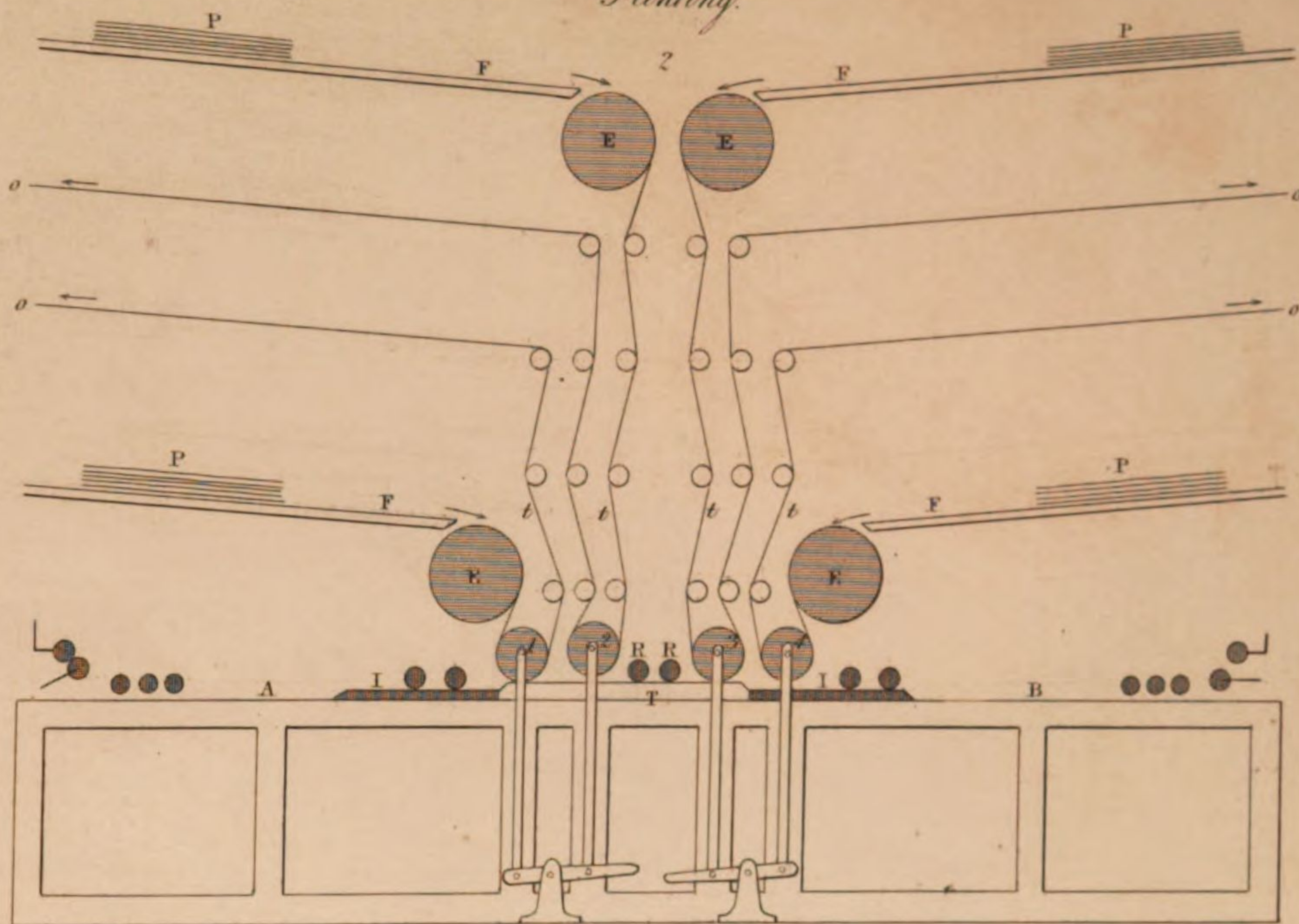


Handwritten notes and a large, faint circular diagram or stamp at the top of the page.

1	2	3	4	5	6	7	8	9	10

Extensive handwritten notes and a large, faint rectangular diagram or stamp at the bottom of the page.

Printing.



Applegath & Cowper's Machine for printing the Times Newspaper.

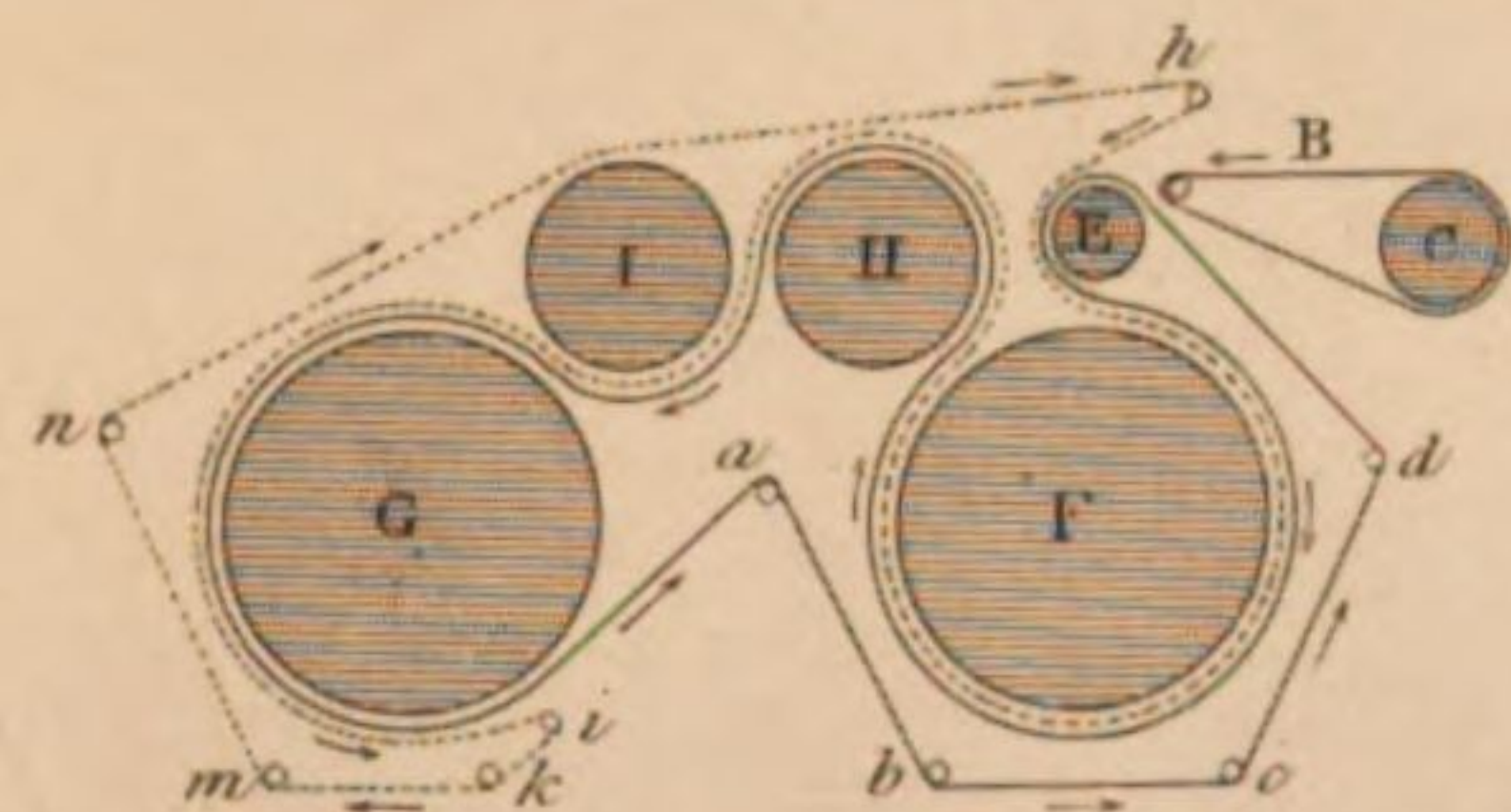
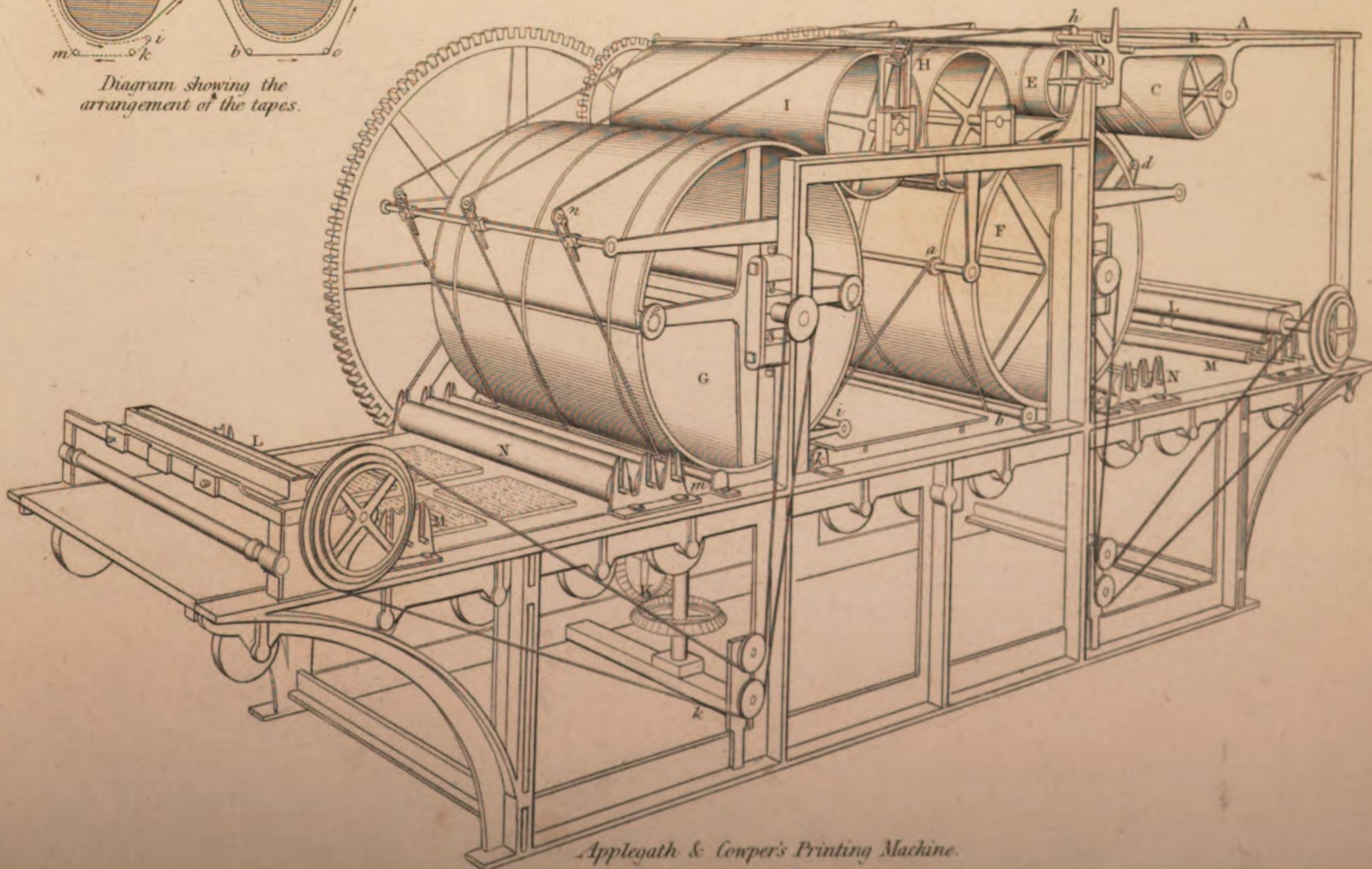


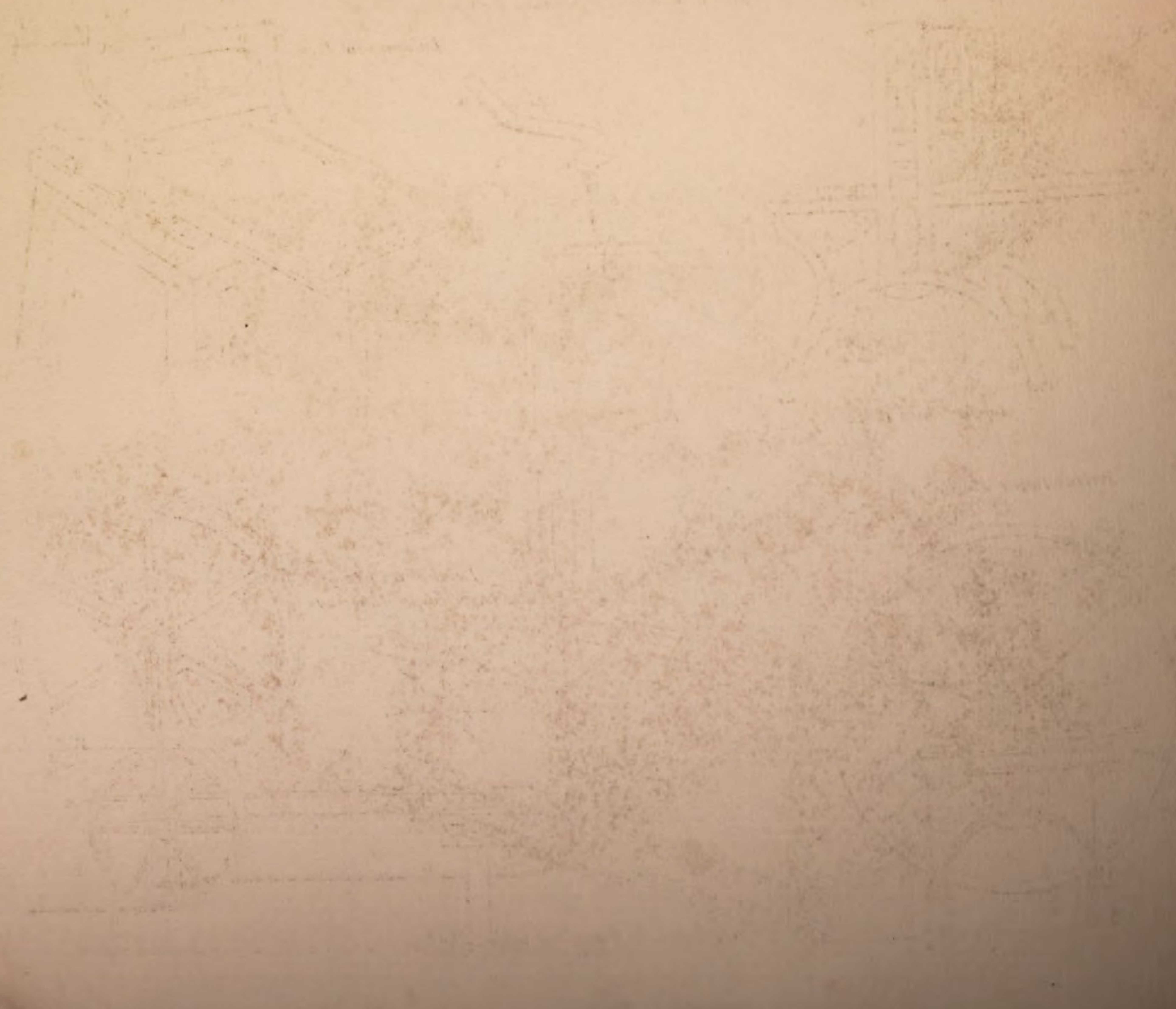
Diagram showing the arrangement of the tapes.

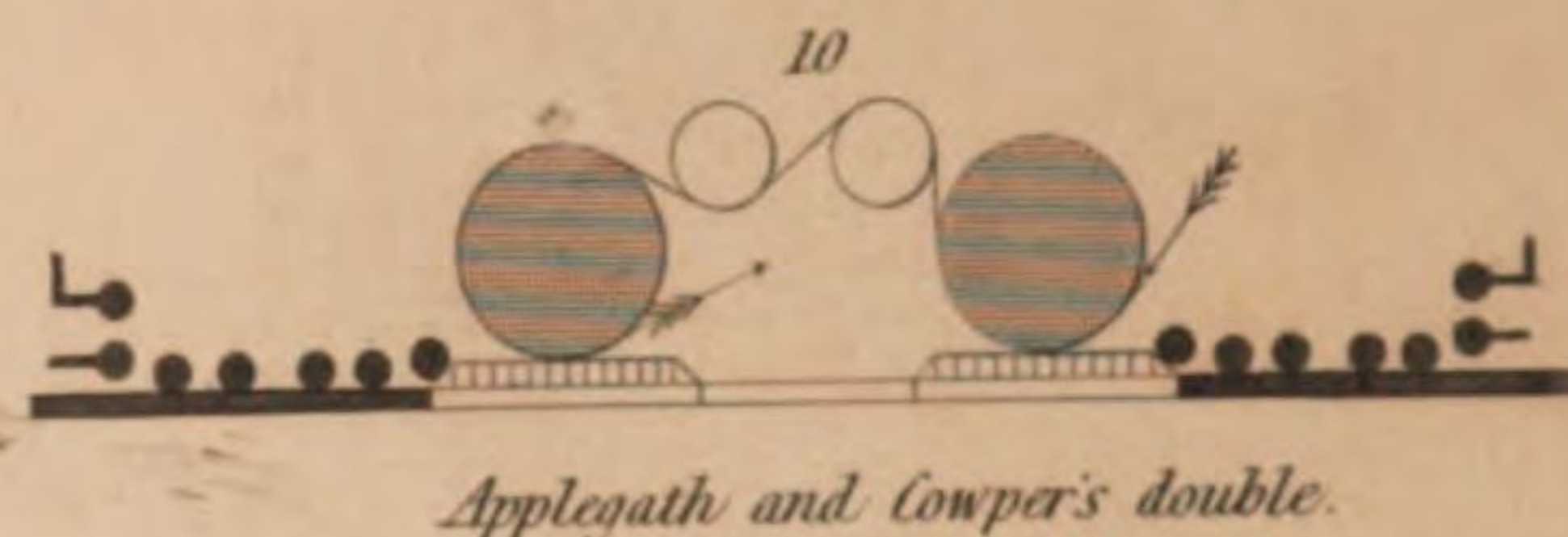
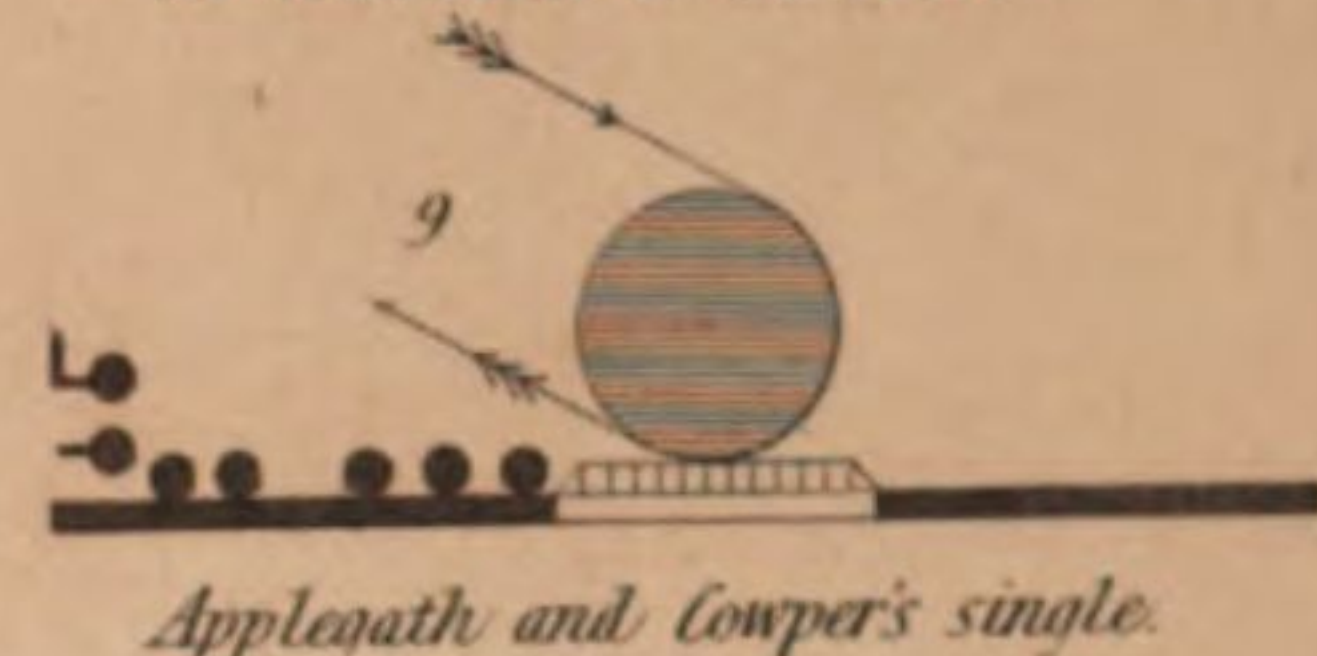
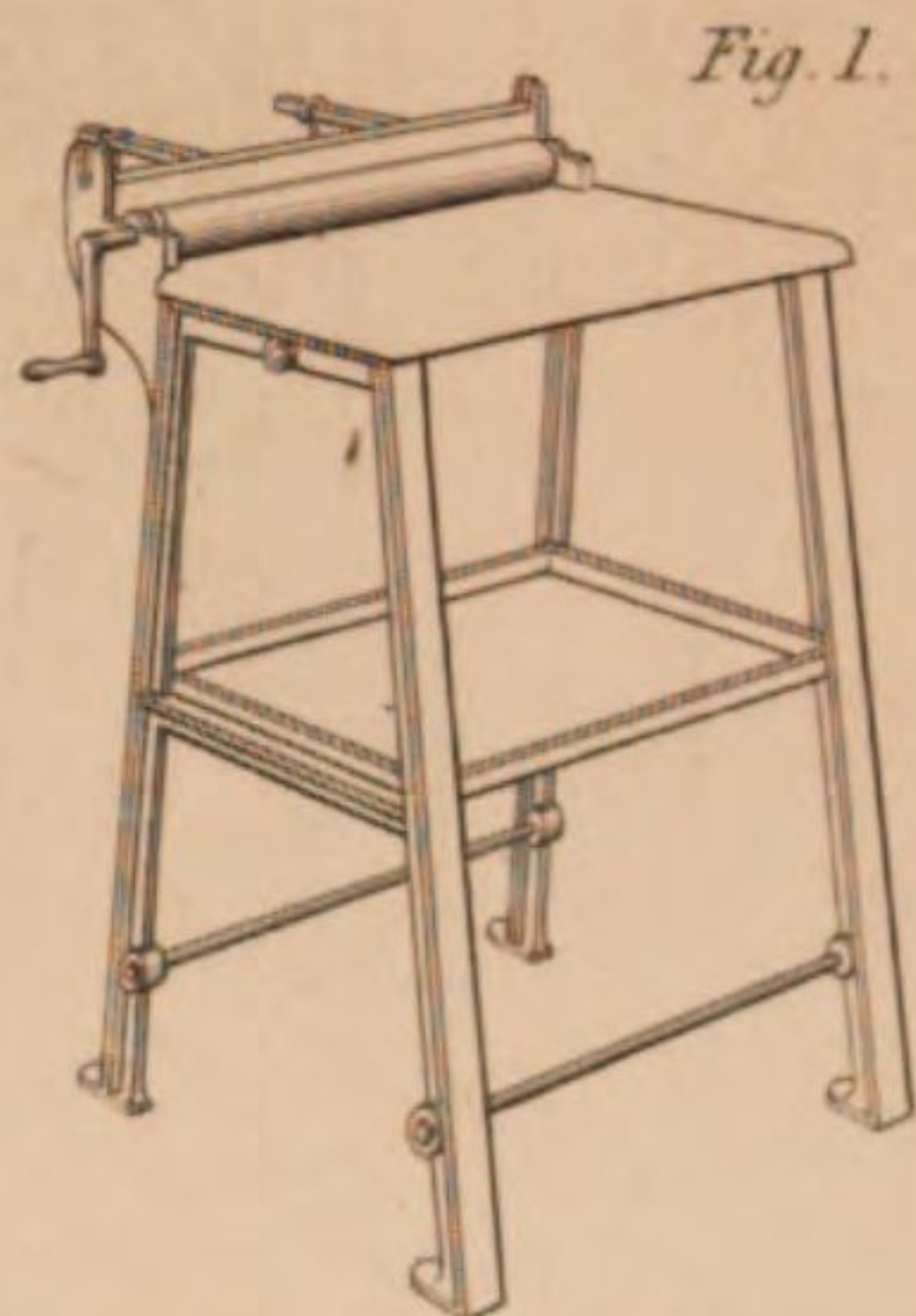
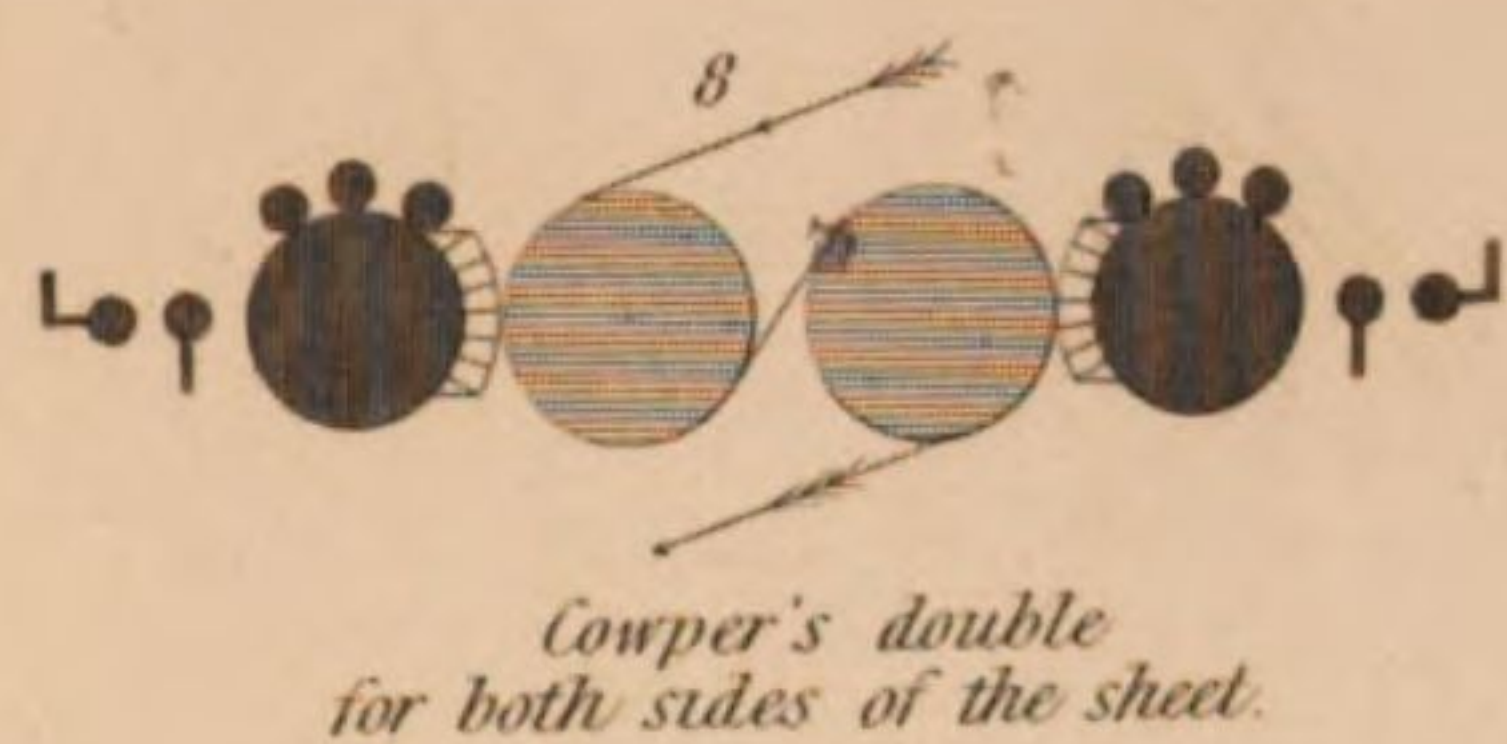
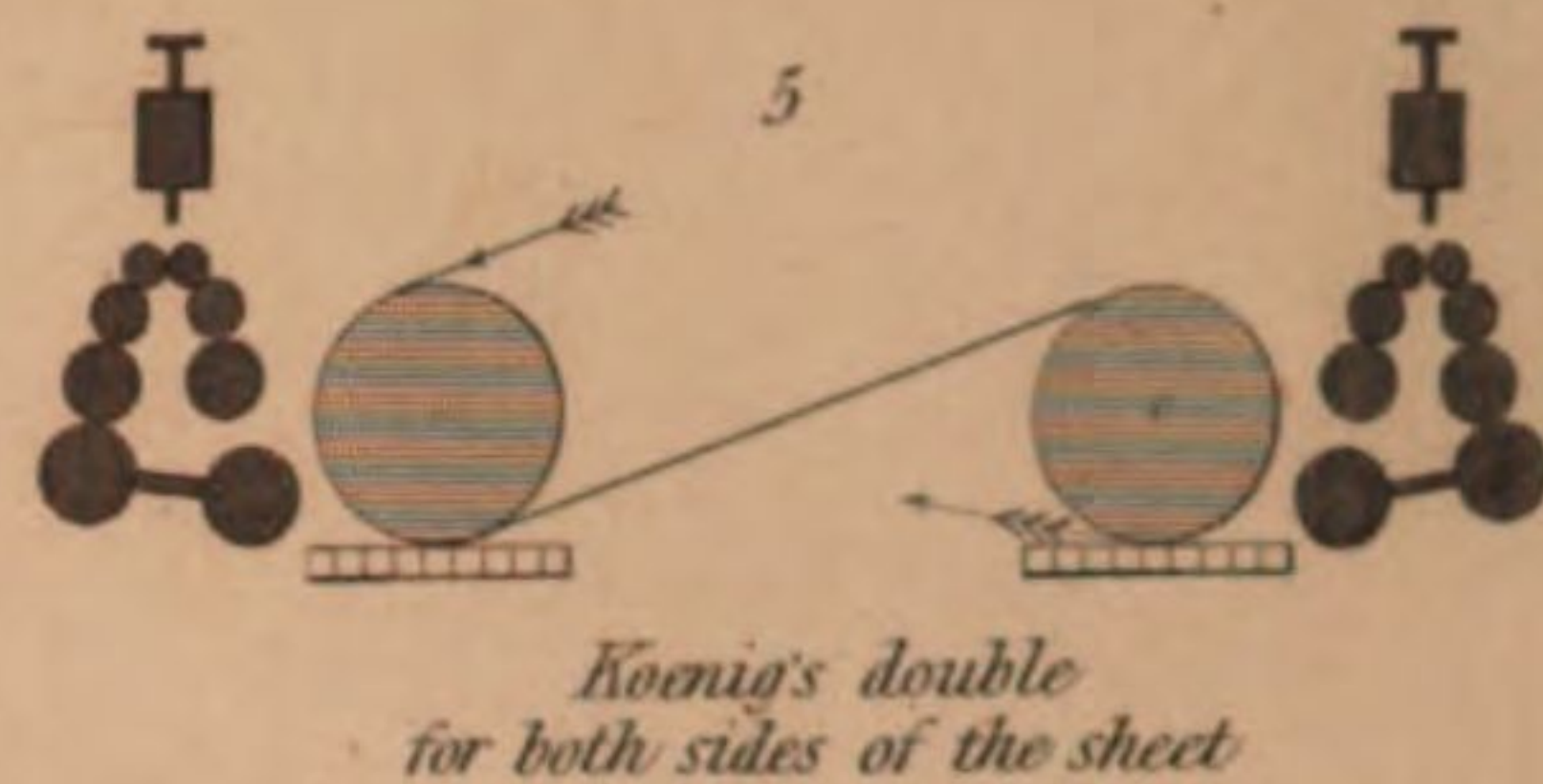
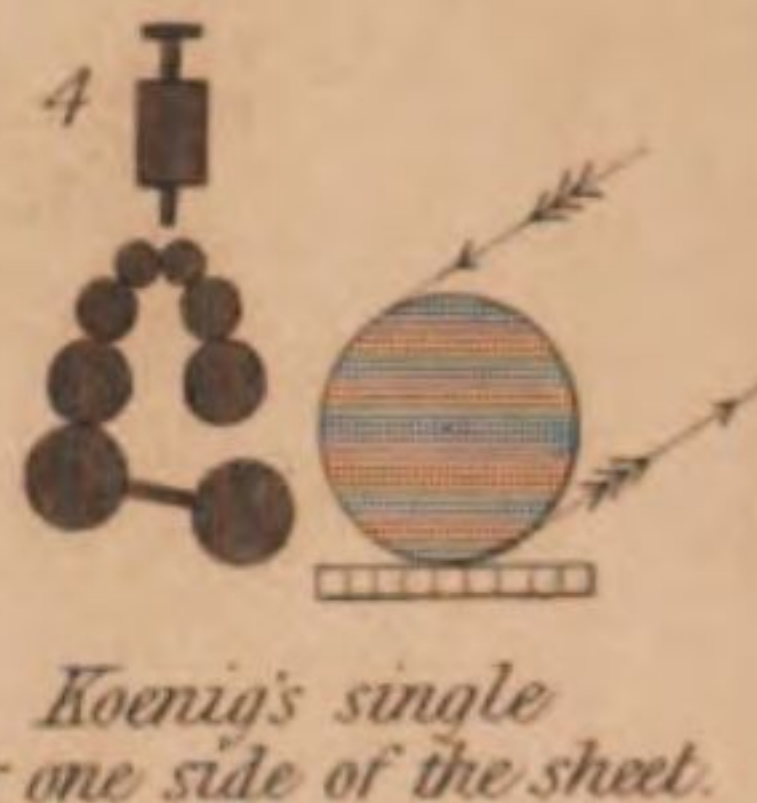
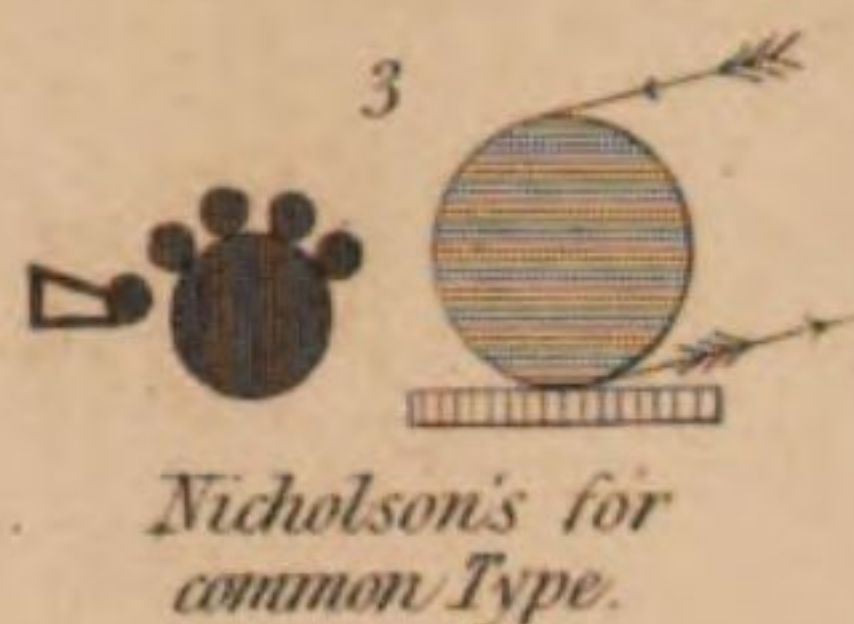
Fig. 1.



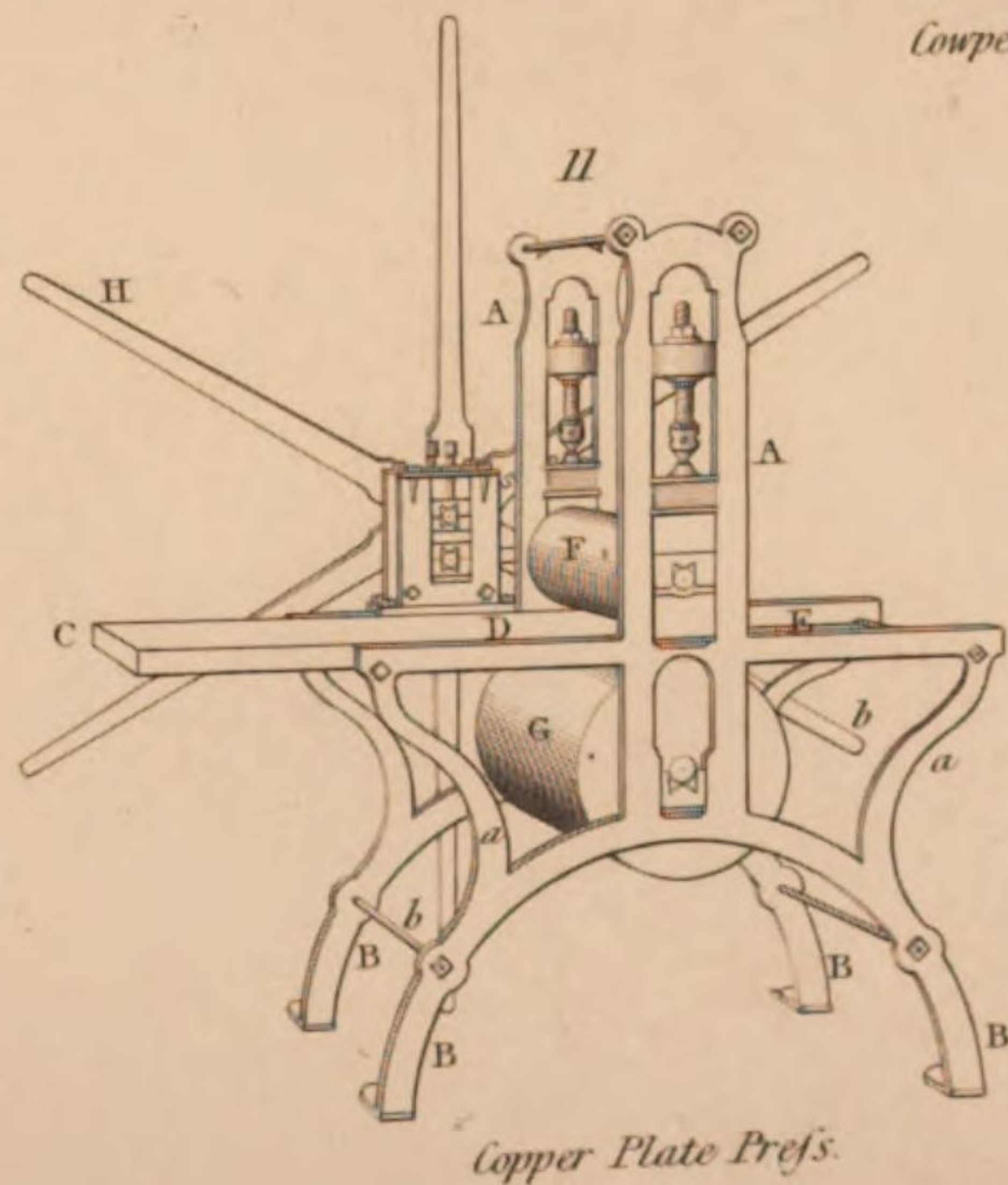
Applegath & Cowper's Printing Machine.

Geometrical Principles

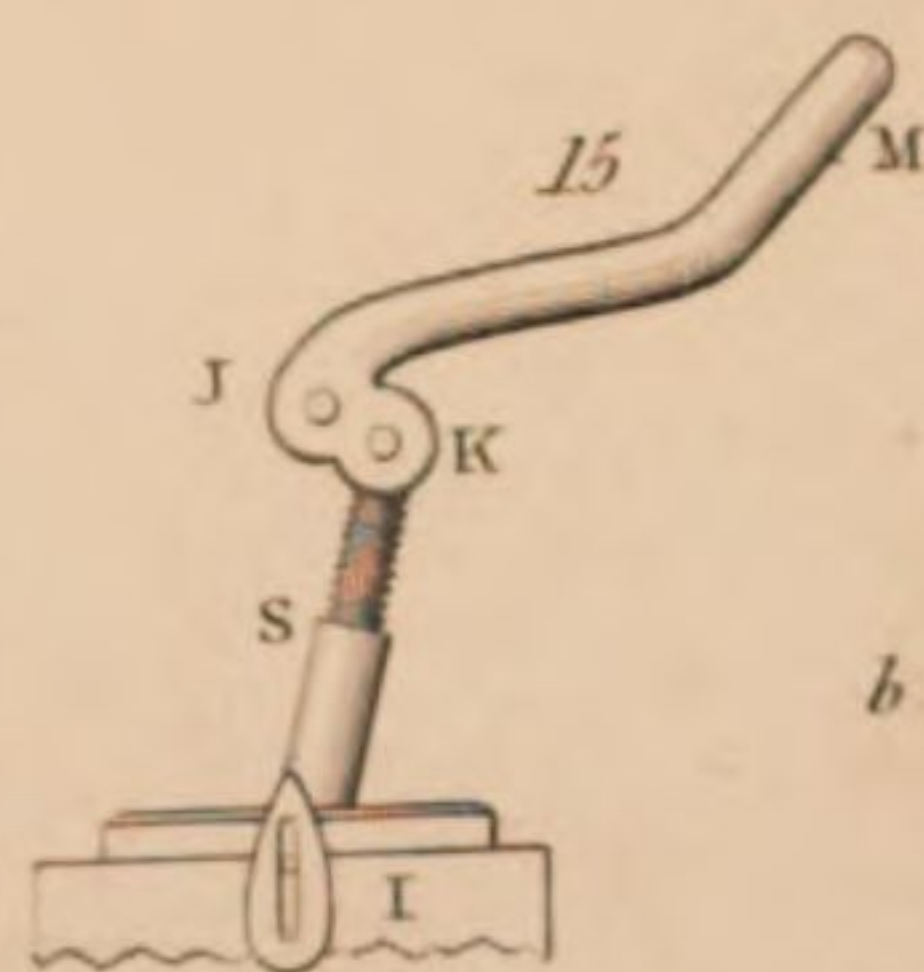




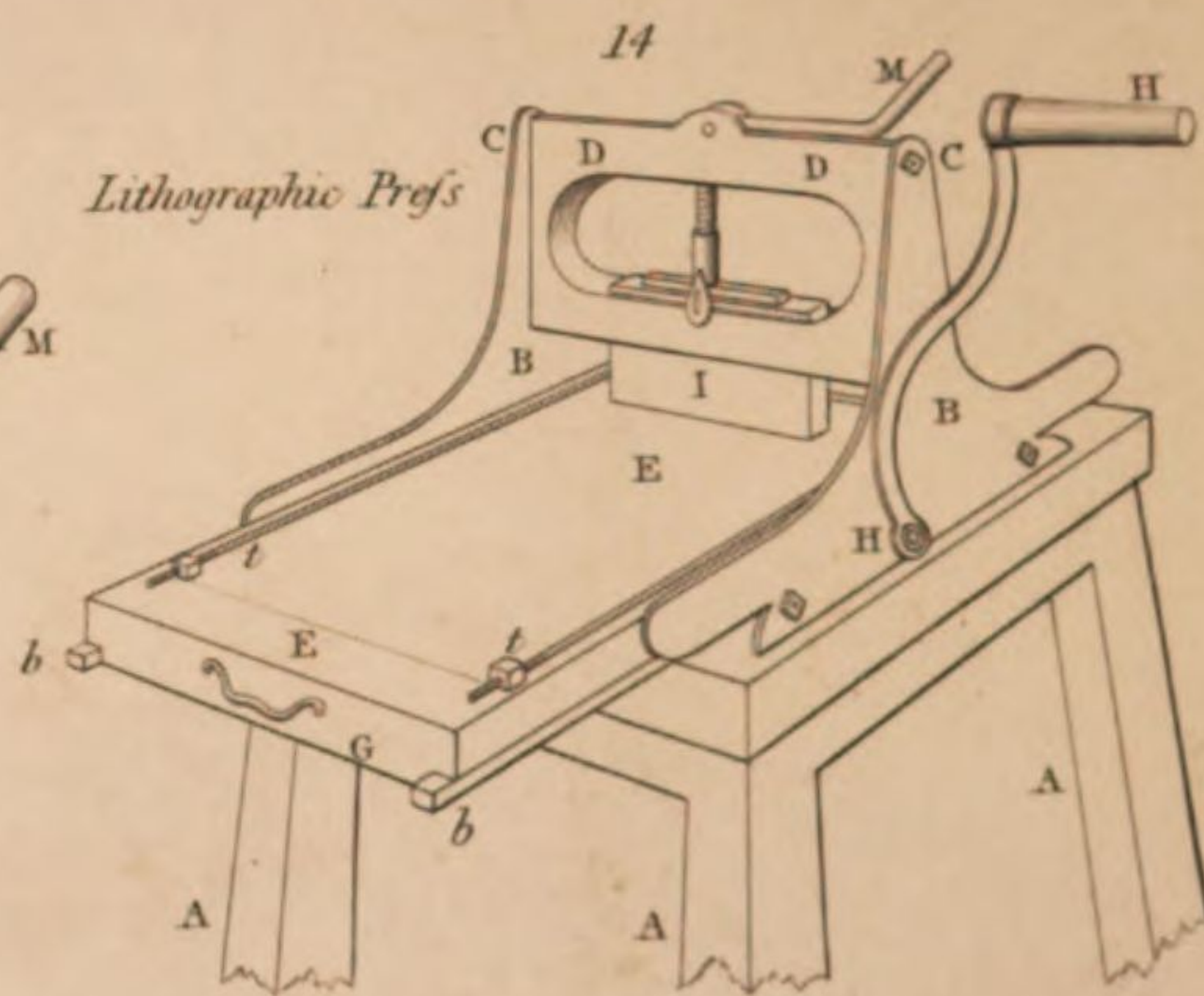
Cowper's Inking Table and Roller.



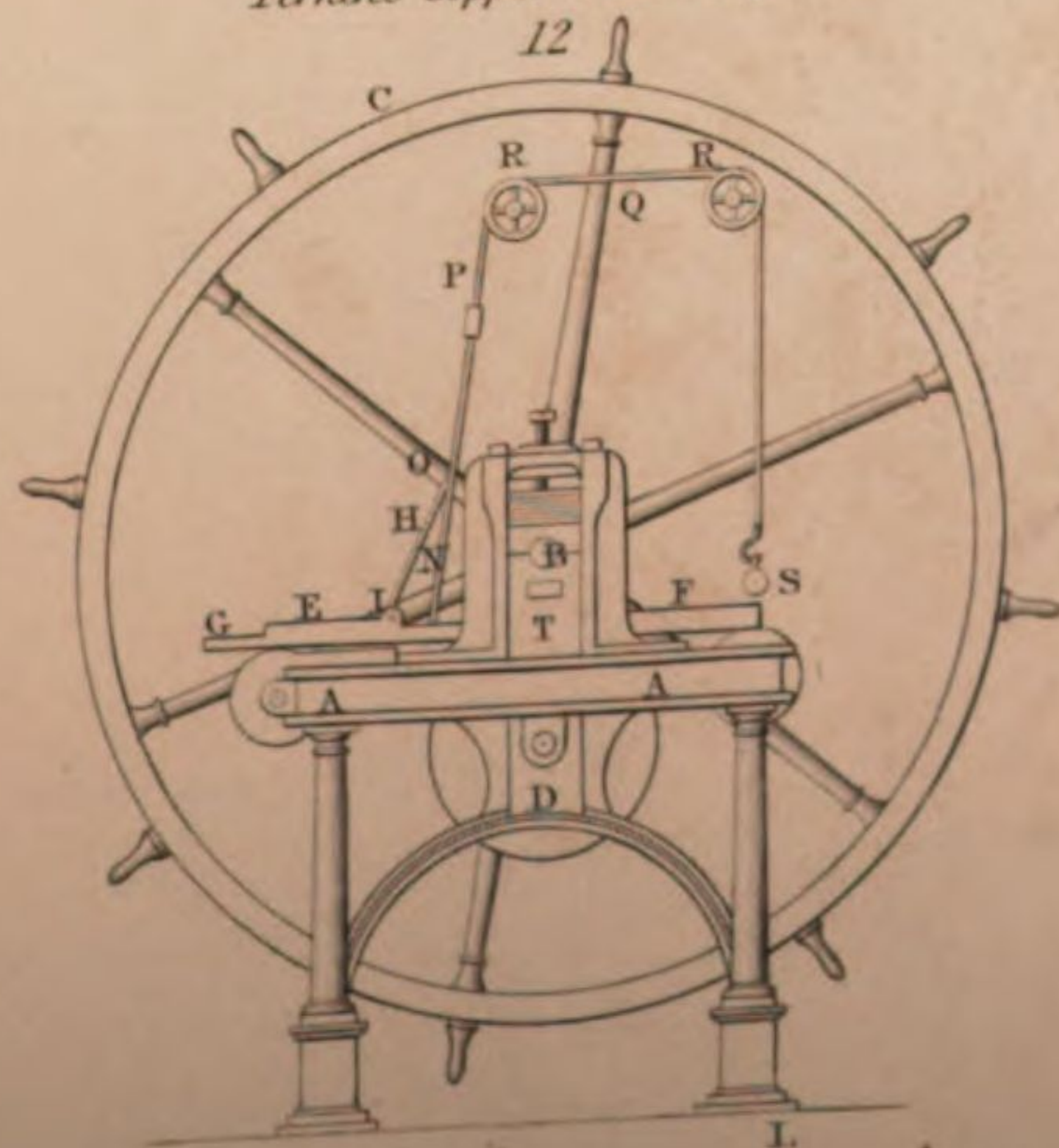
Copper Plate Press.



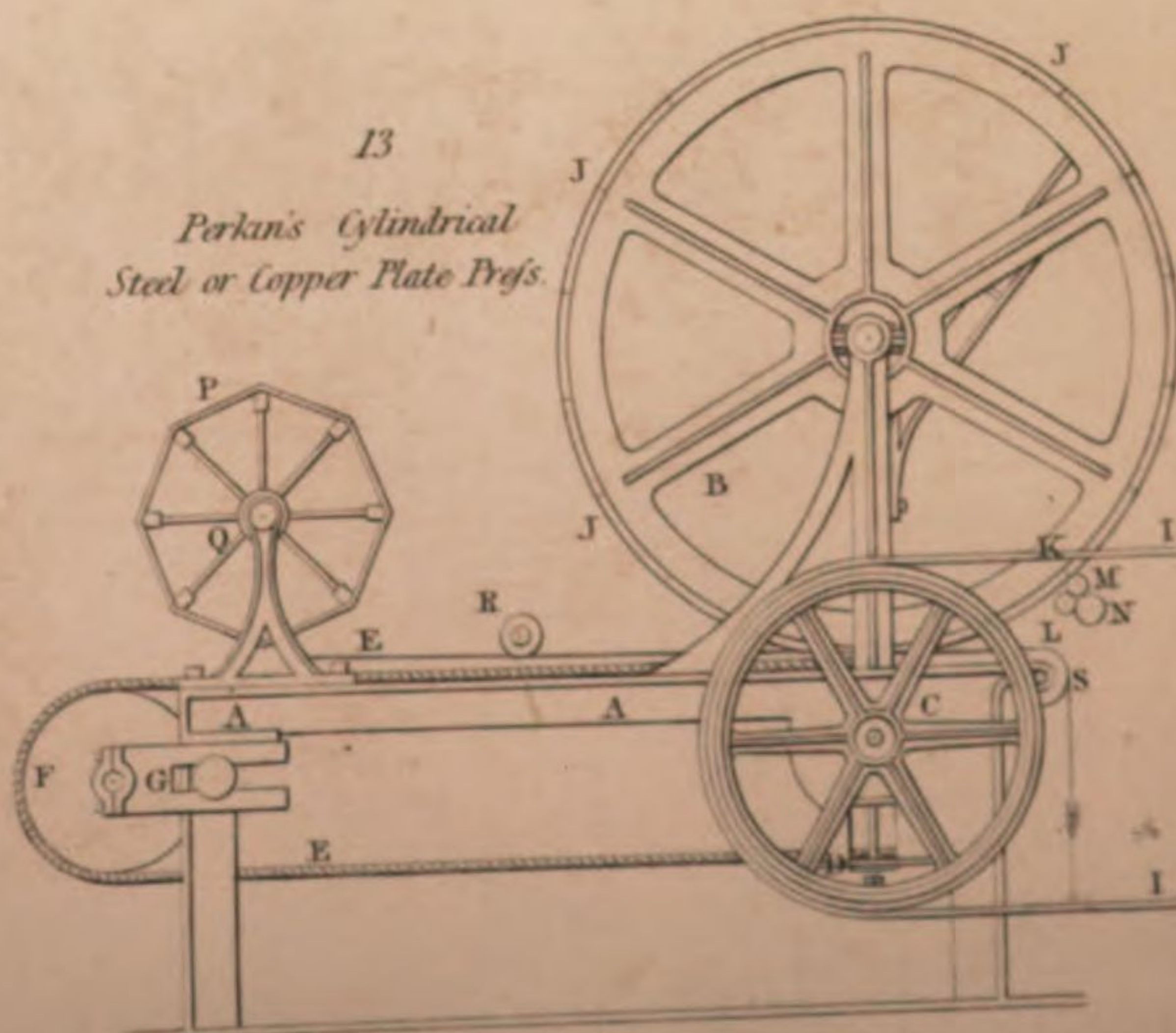
Lithographic Press



Perkin's Copper Plate Press.

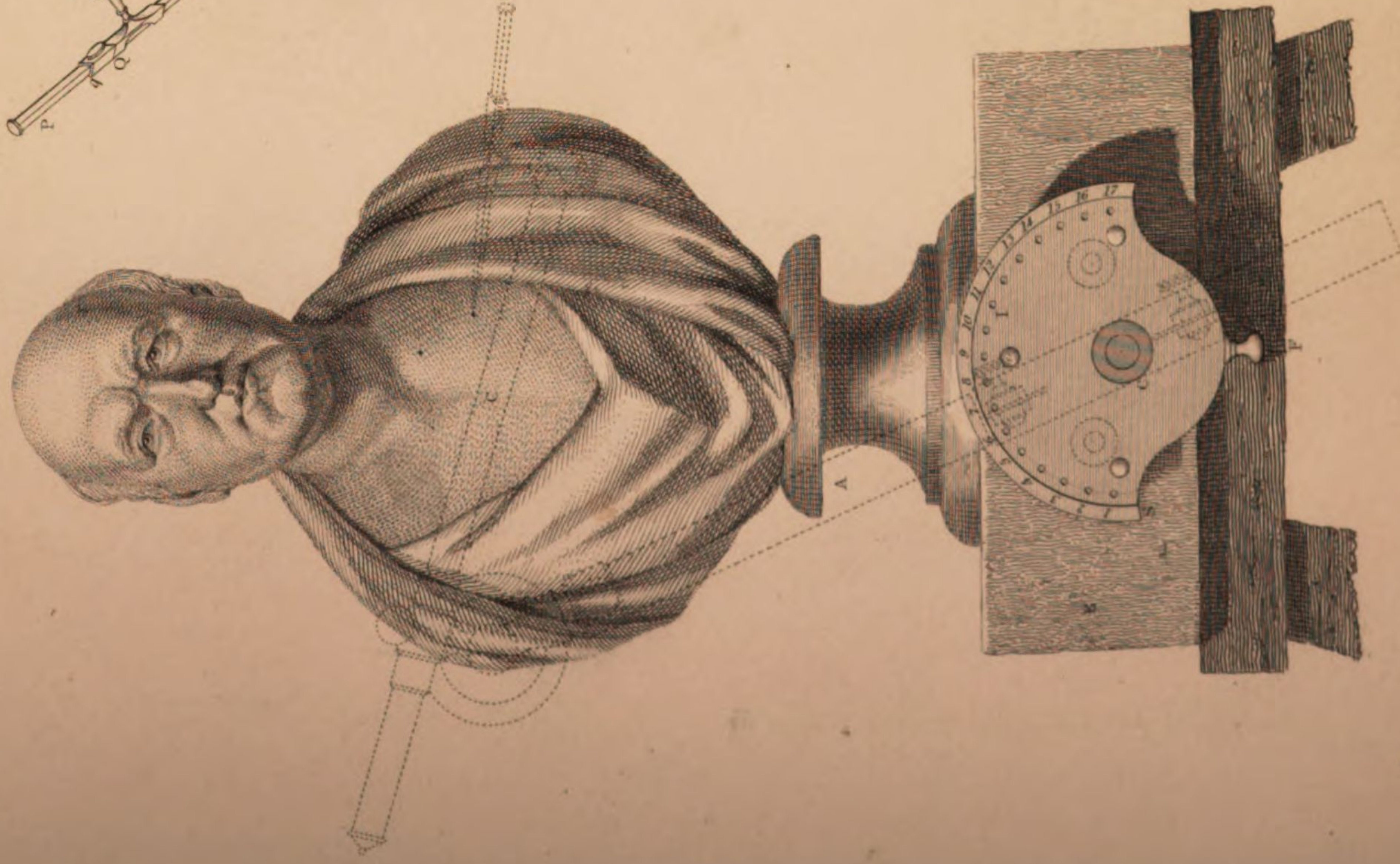


Perkin's Cylindrical Steel or Copper Plate Press.

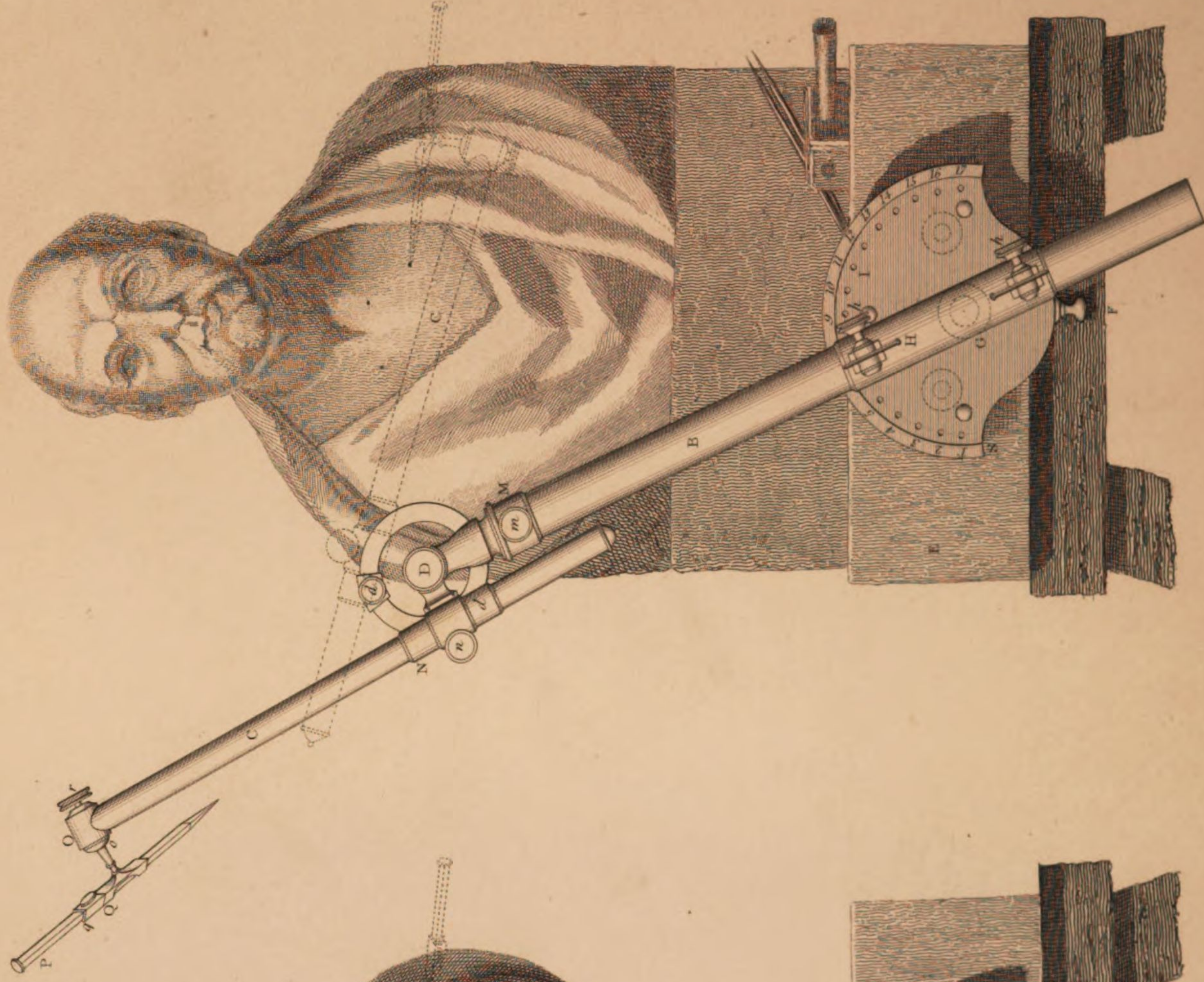


MANUFACTURES.
MISCELLANEOUS PROCESSES
Sculpture.

Fig 1



2



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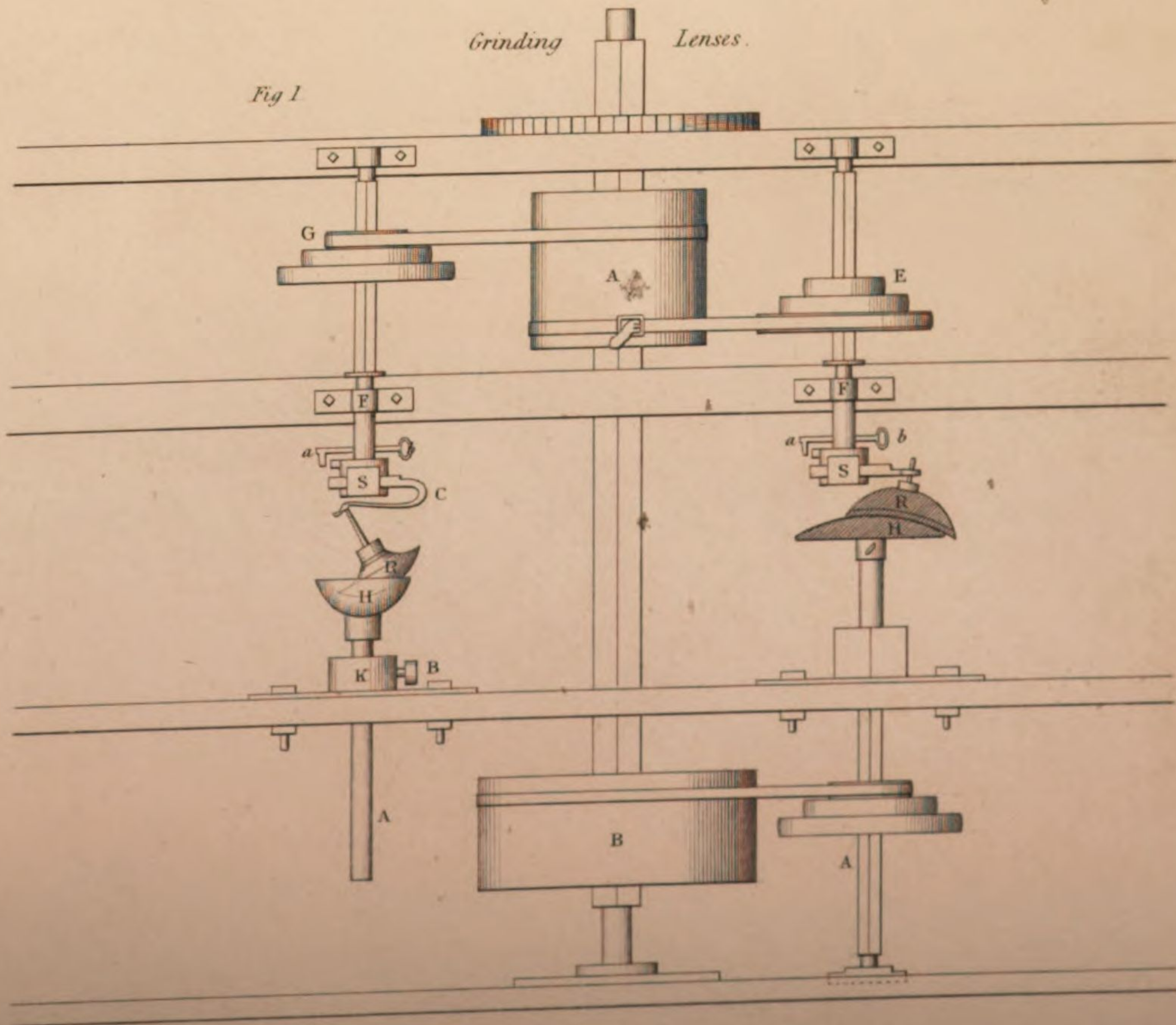
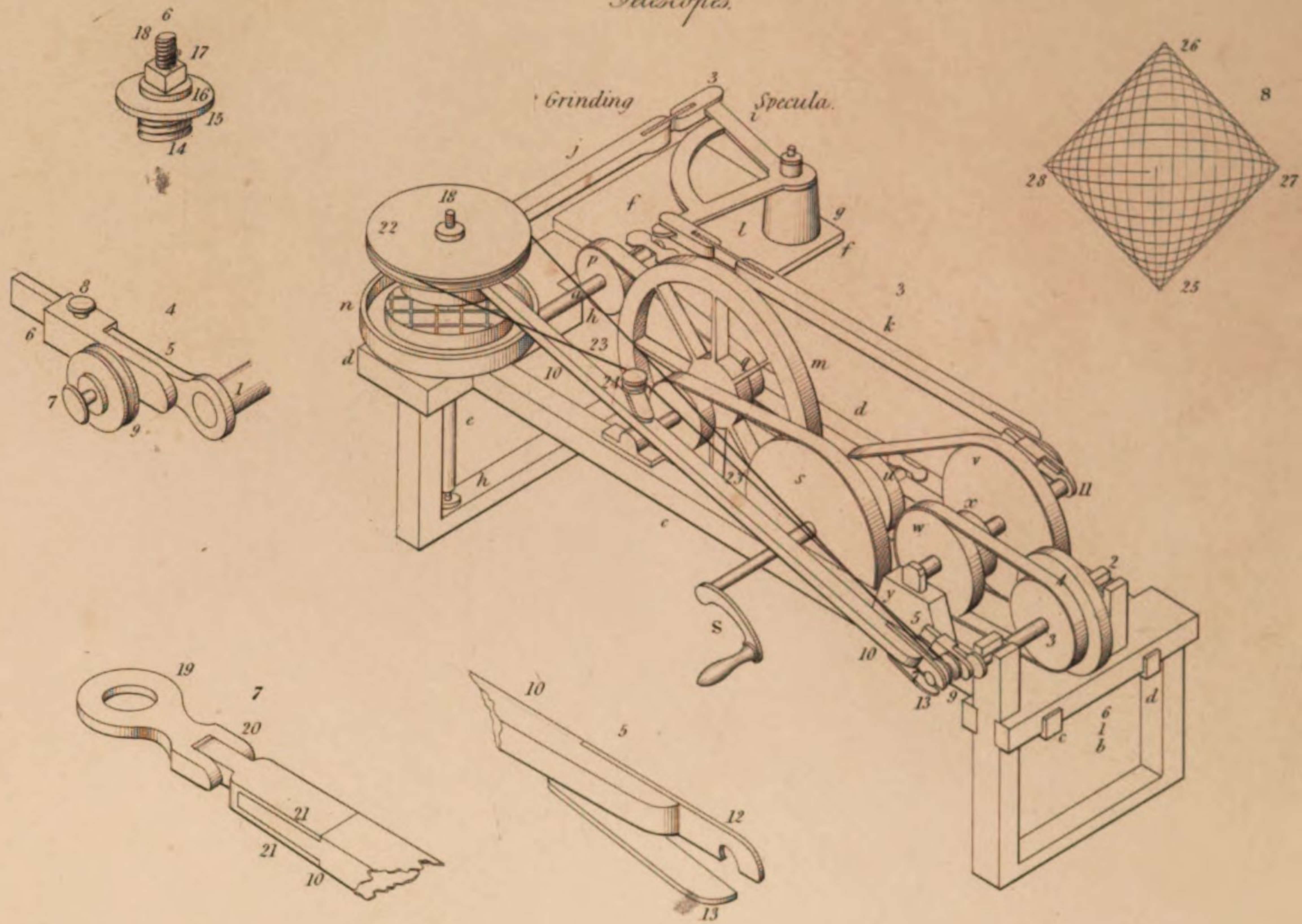


MANUFACTURES

MISCELLANEOUS PROCESSES

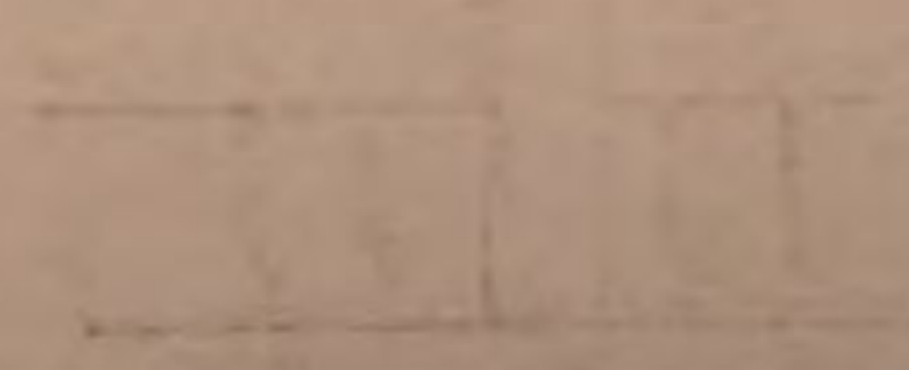
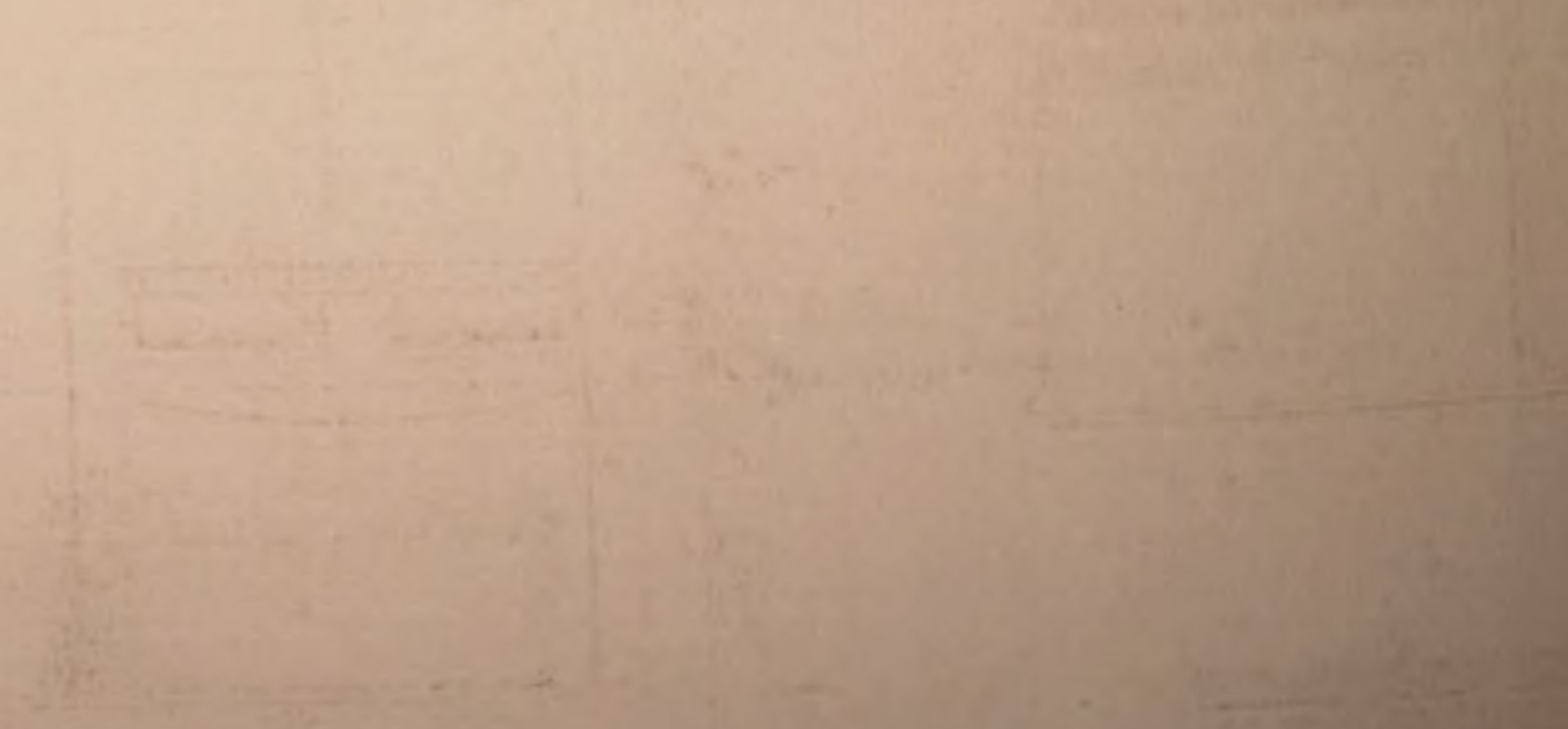
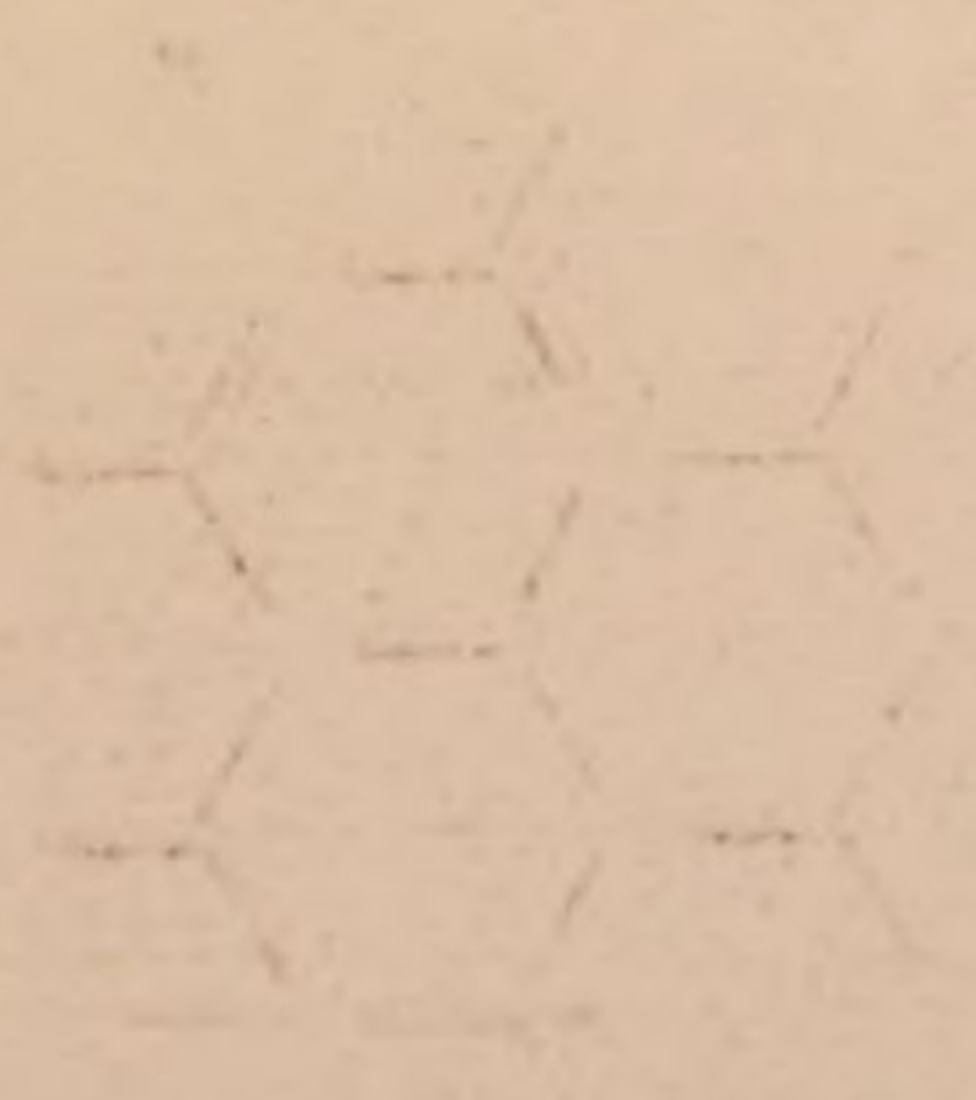
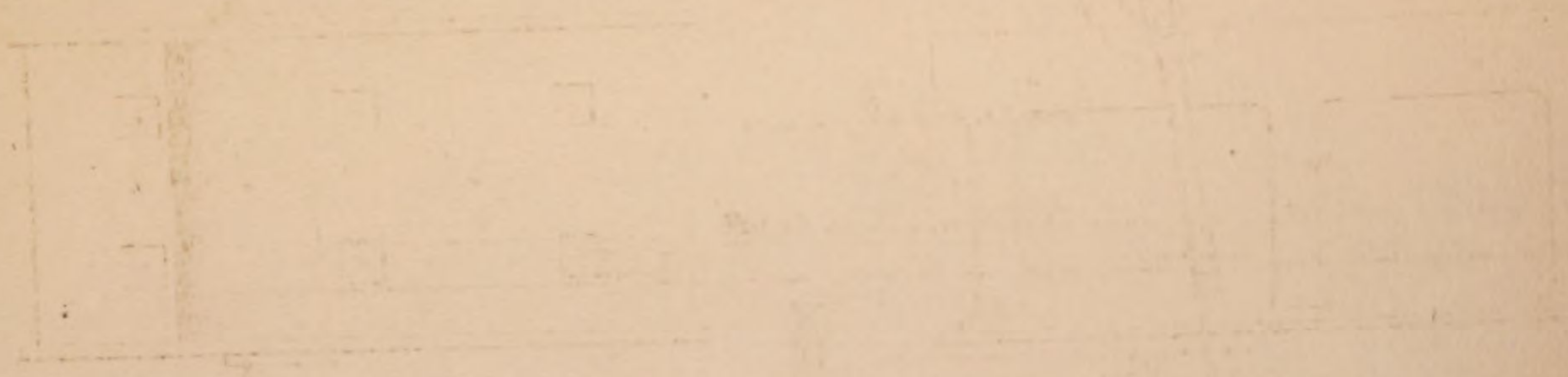
Telescopes.

PLATE LXXXIV



J.W. Lowry sculp.

Handwritten text at the top center, possibly a title or date, which is mostly illegible due to fading.



Biscuit Baking.

Mixing Machine.

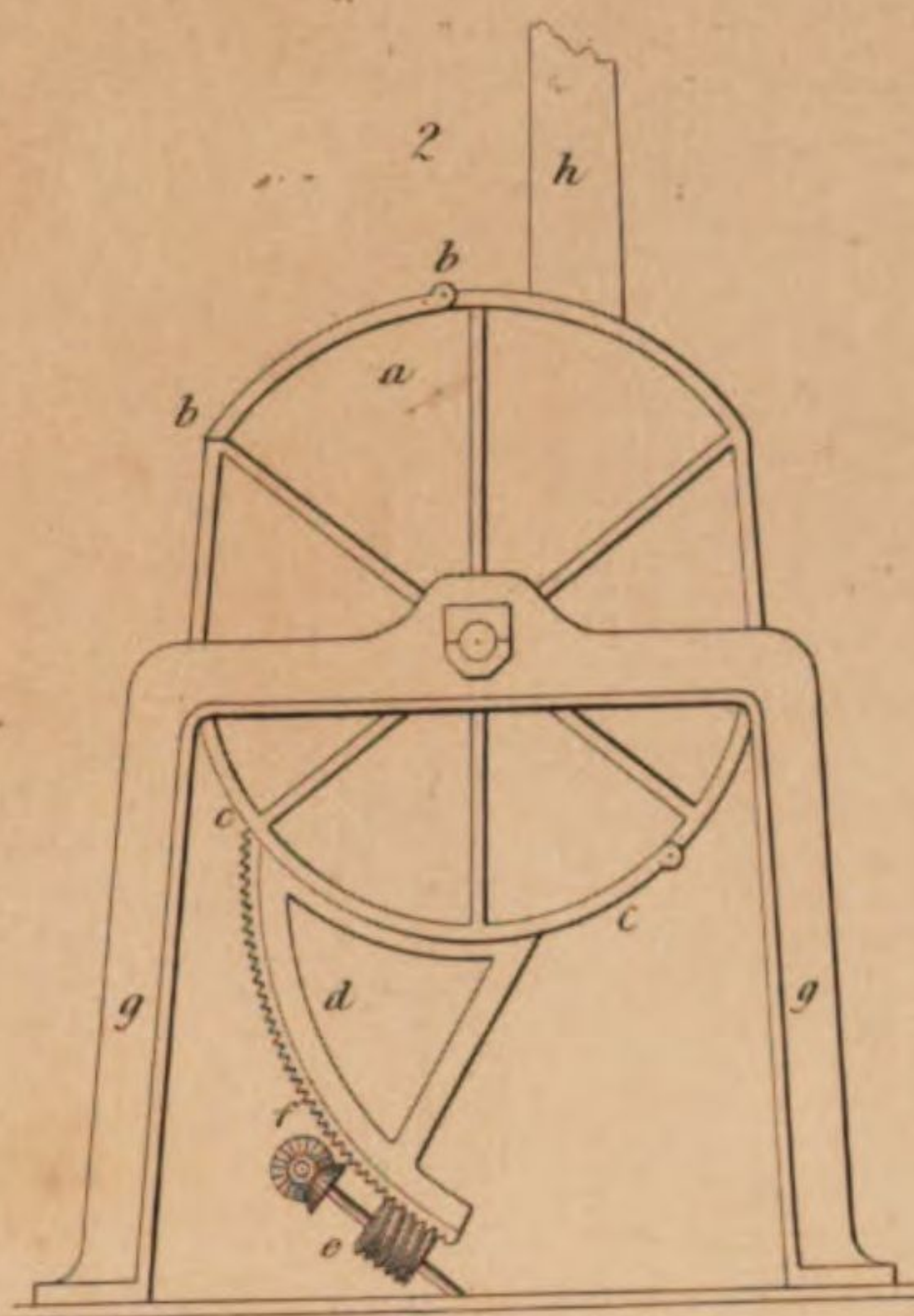
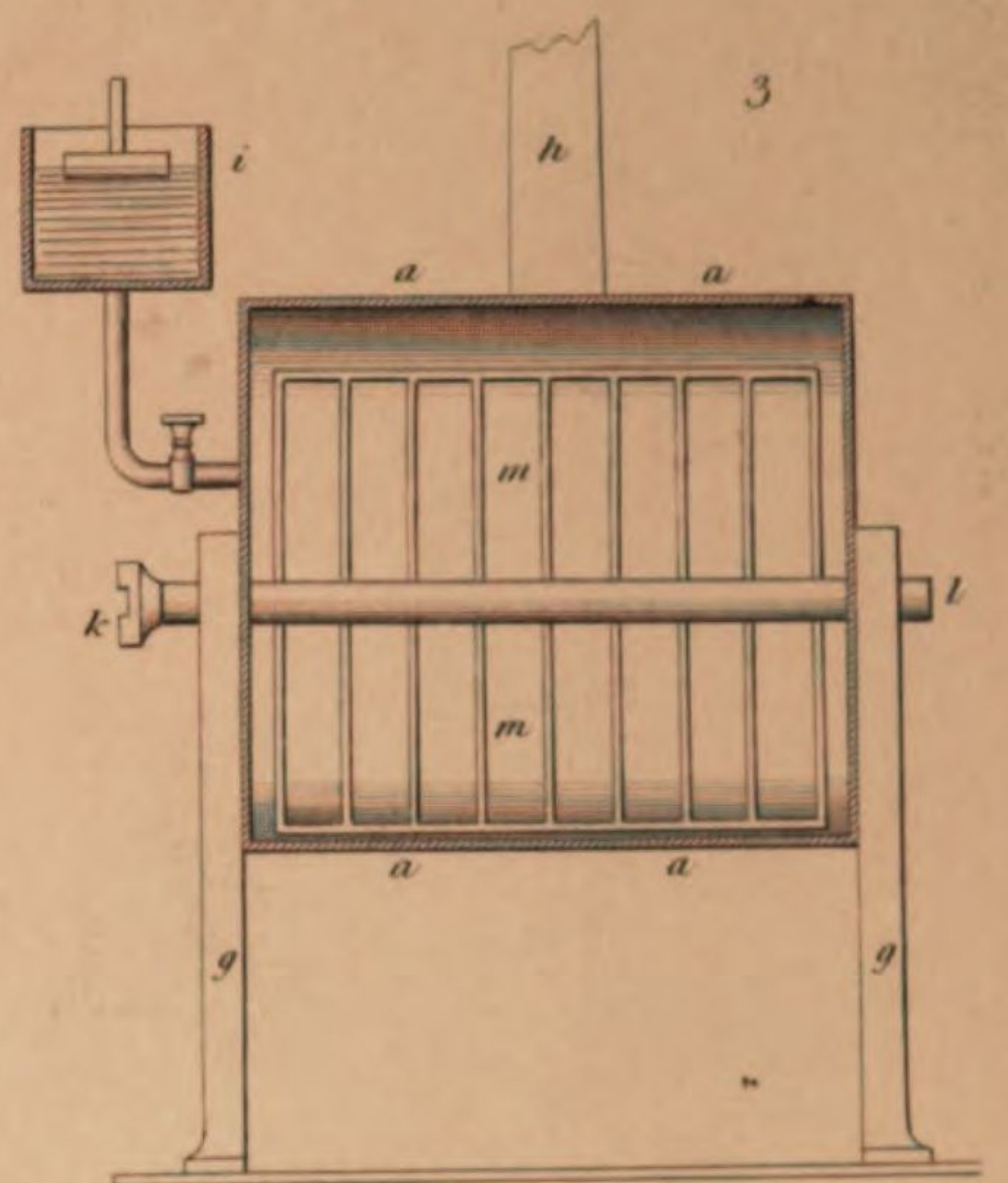
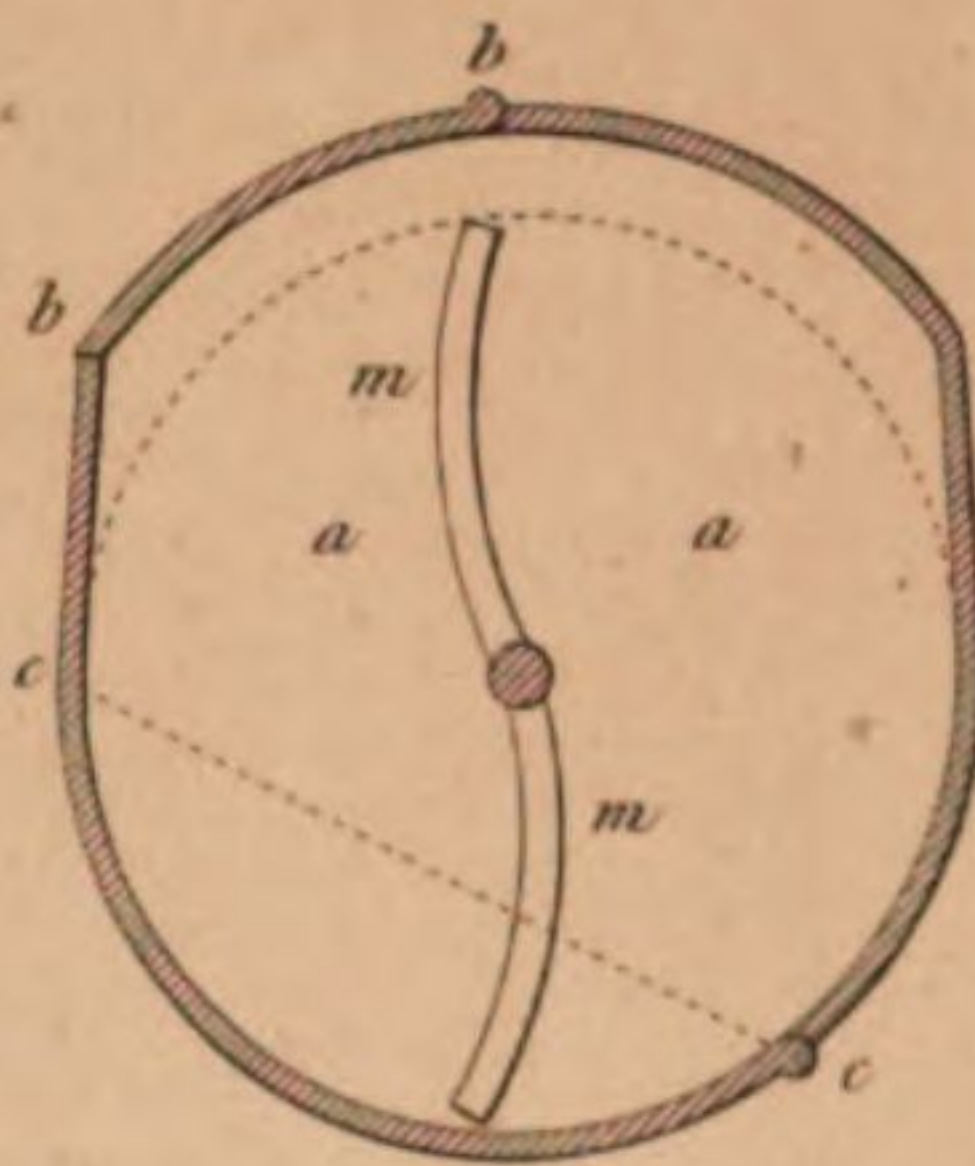
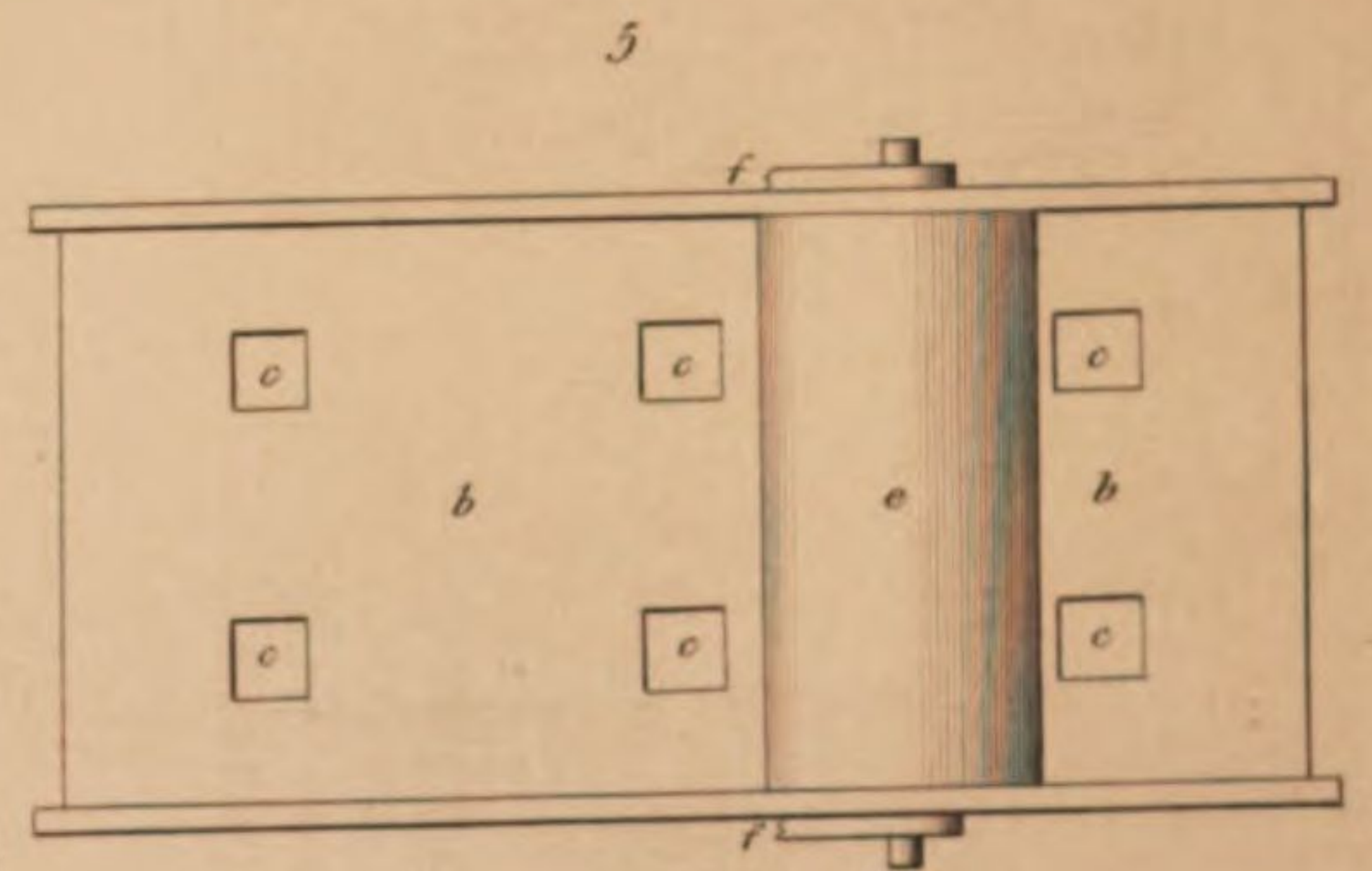
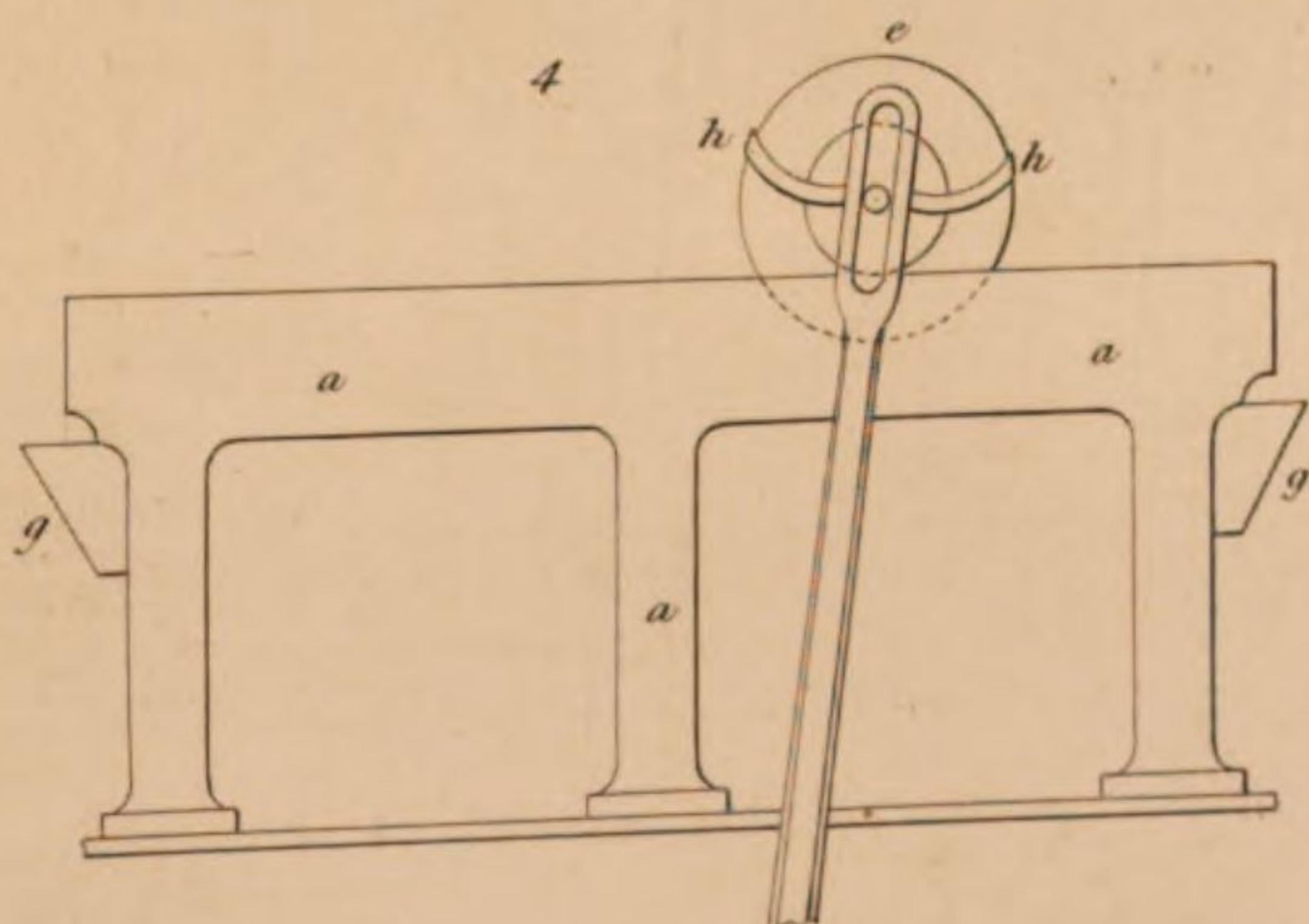


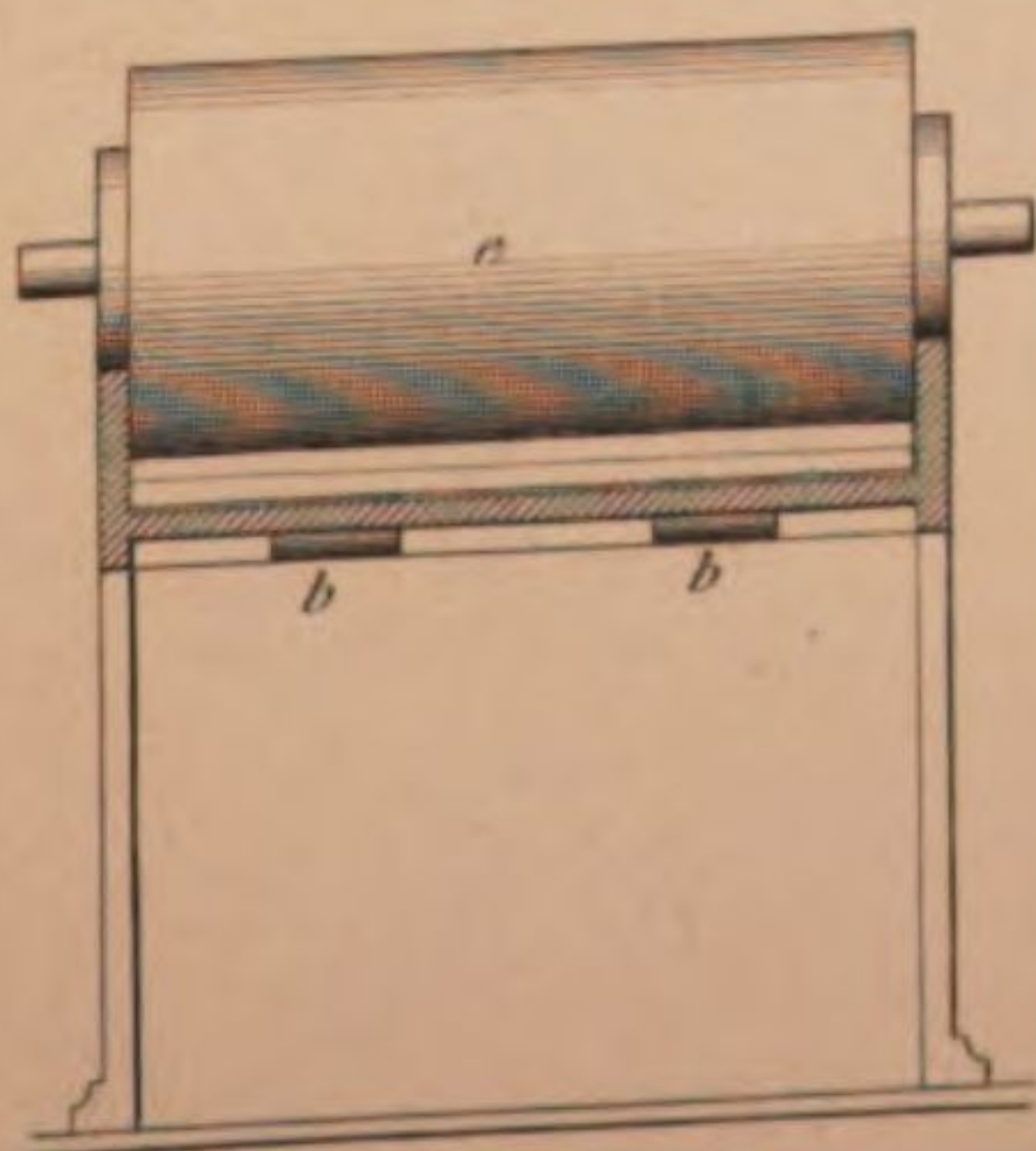
Fig. 1.



Making Table.

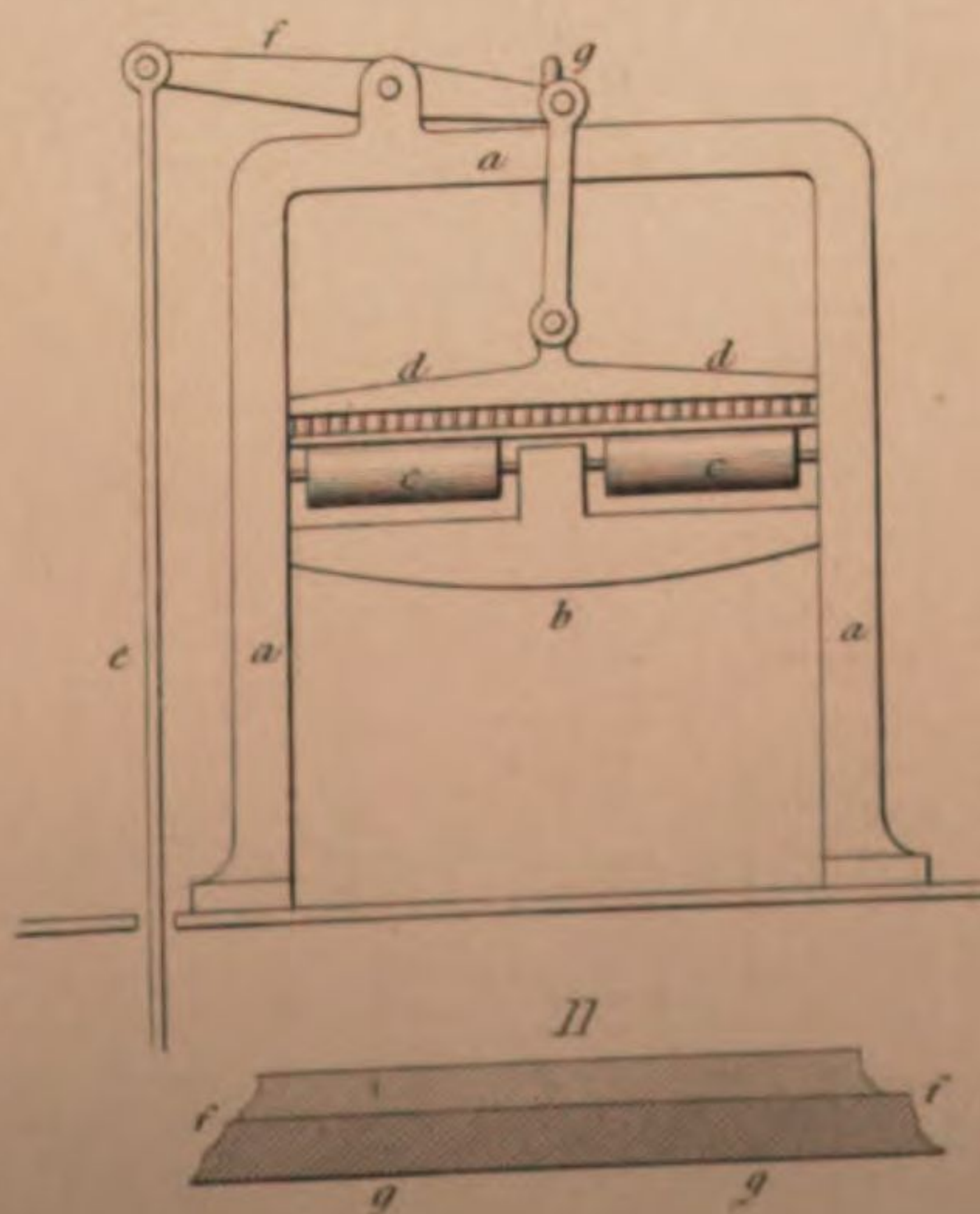


Rollers
6



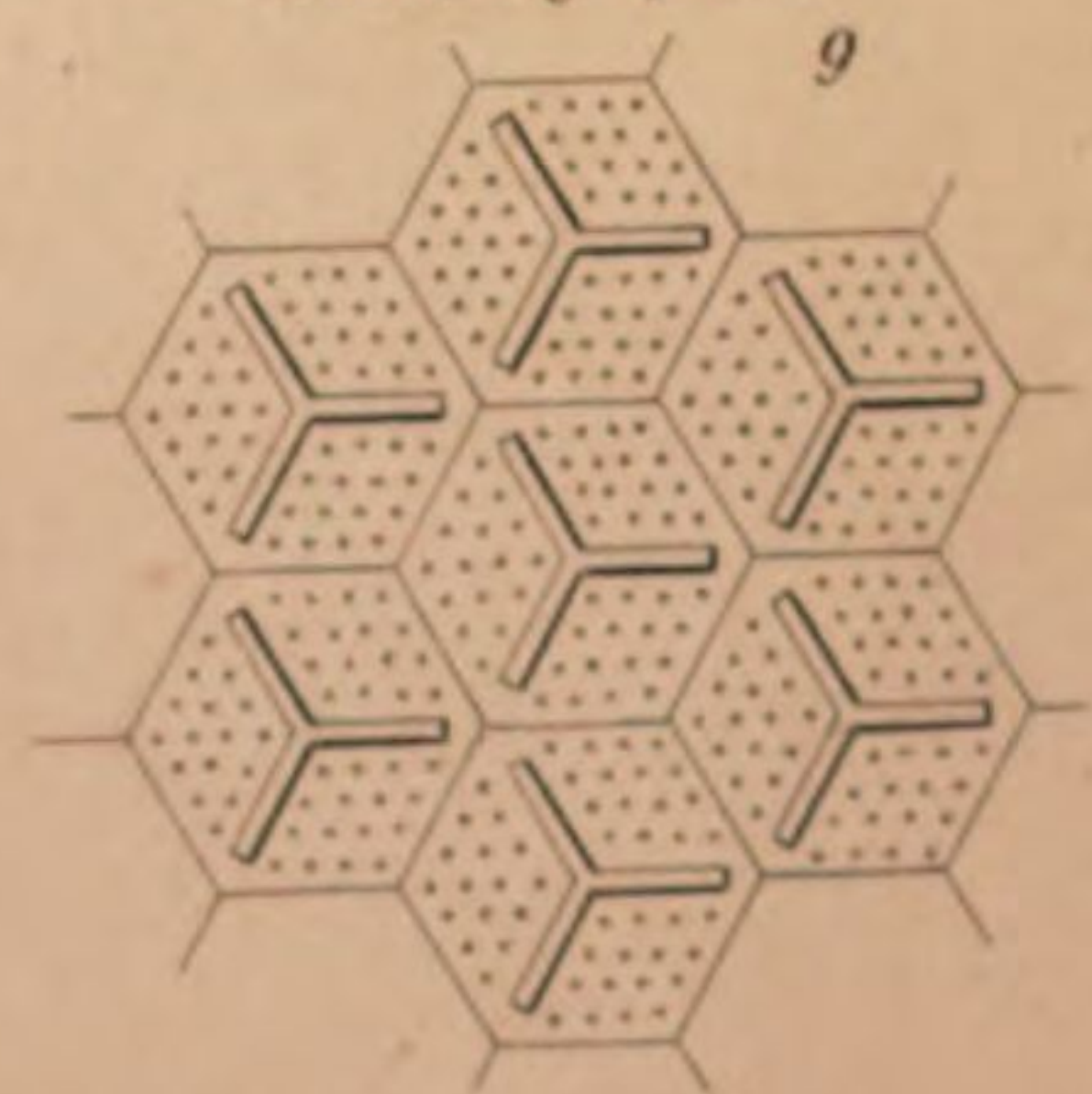
Cutting out Machine.

8

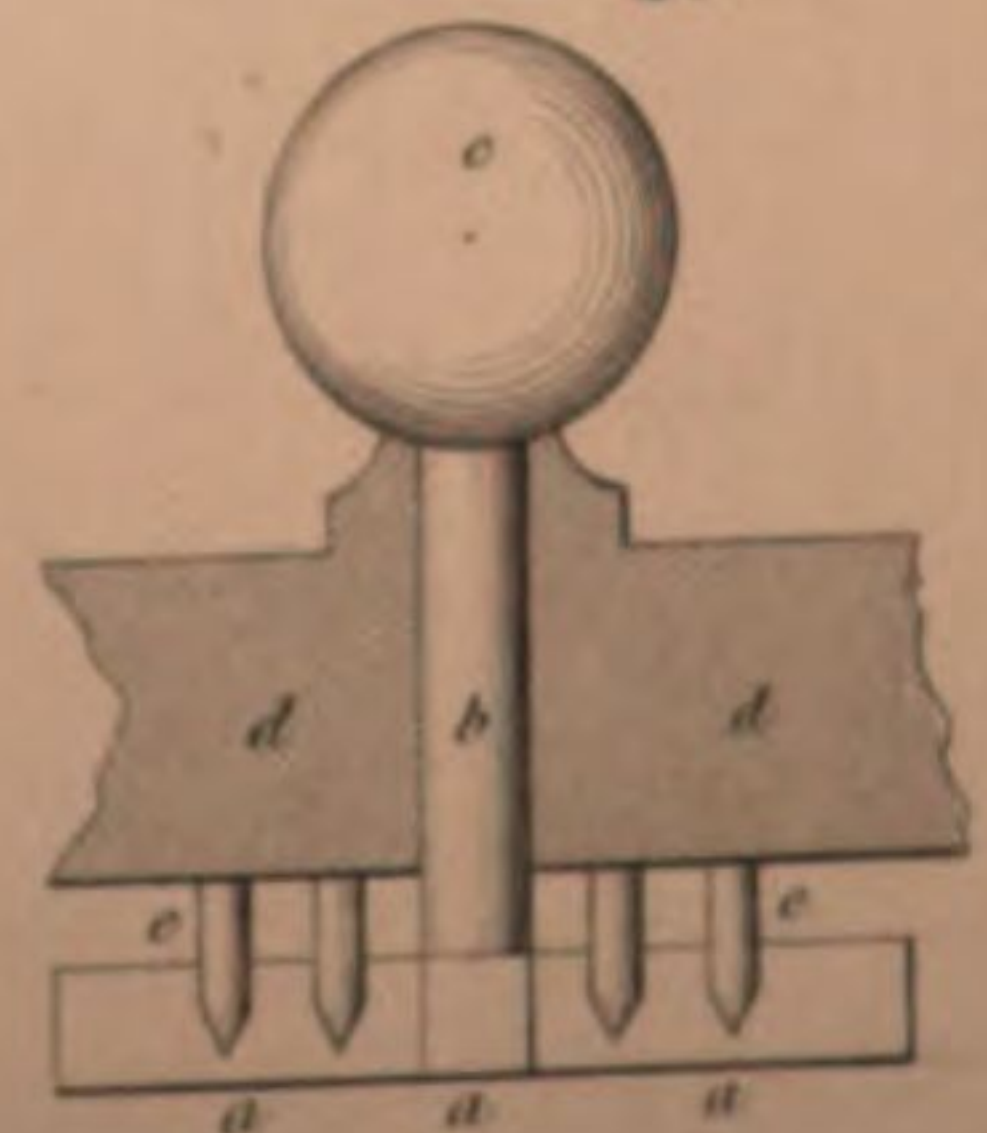


Stamping plate.

9



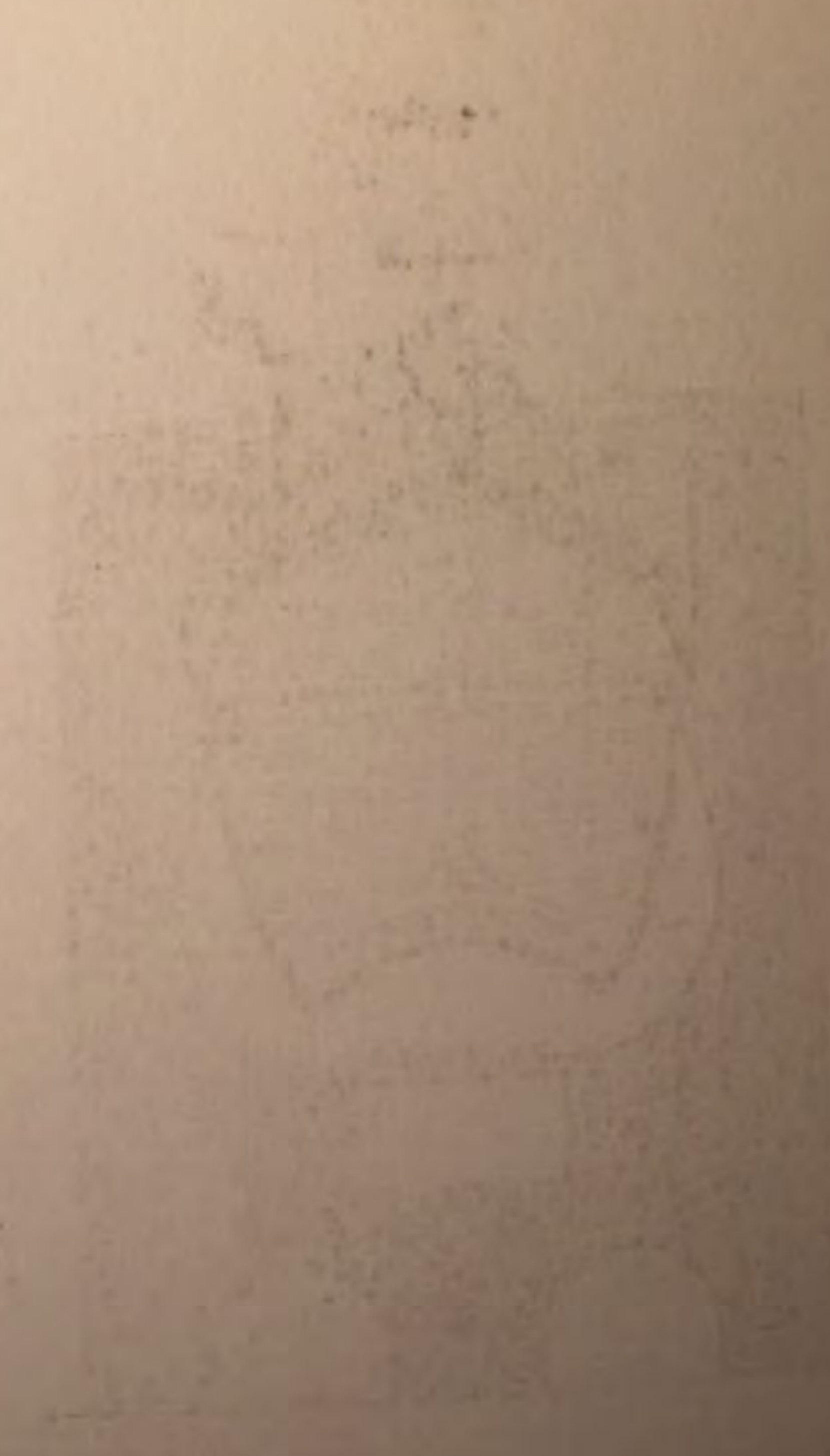
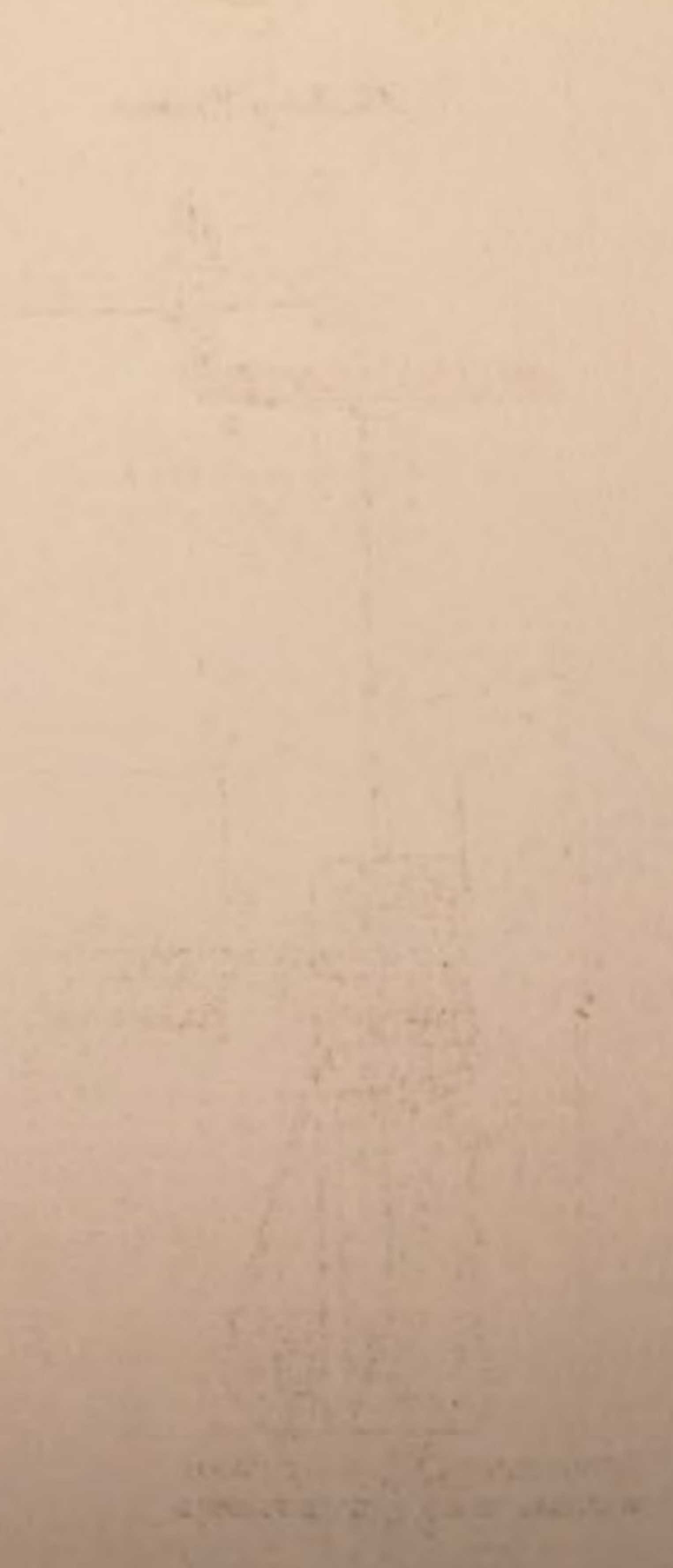
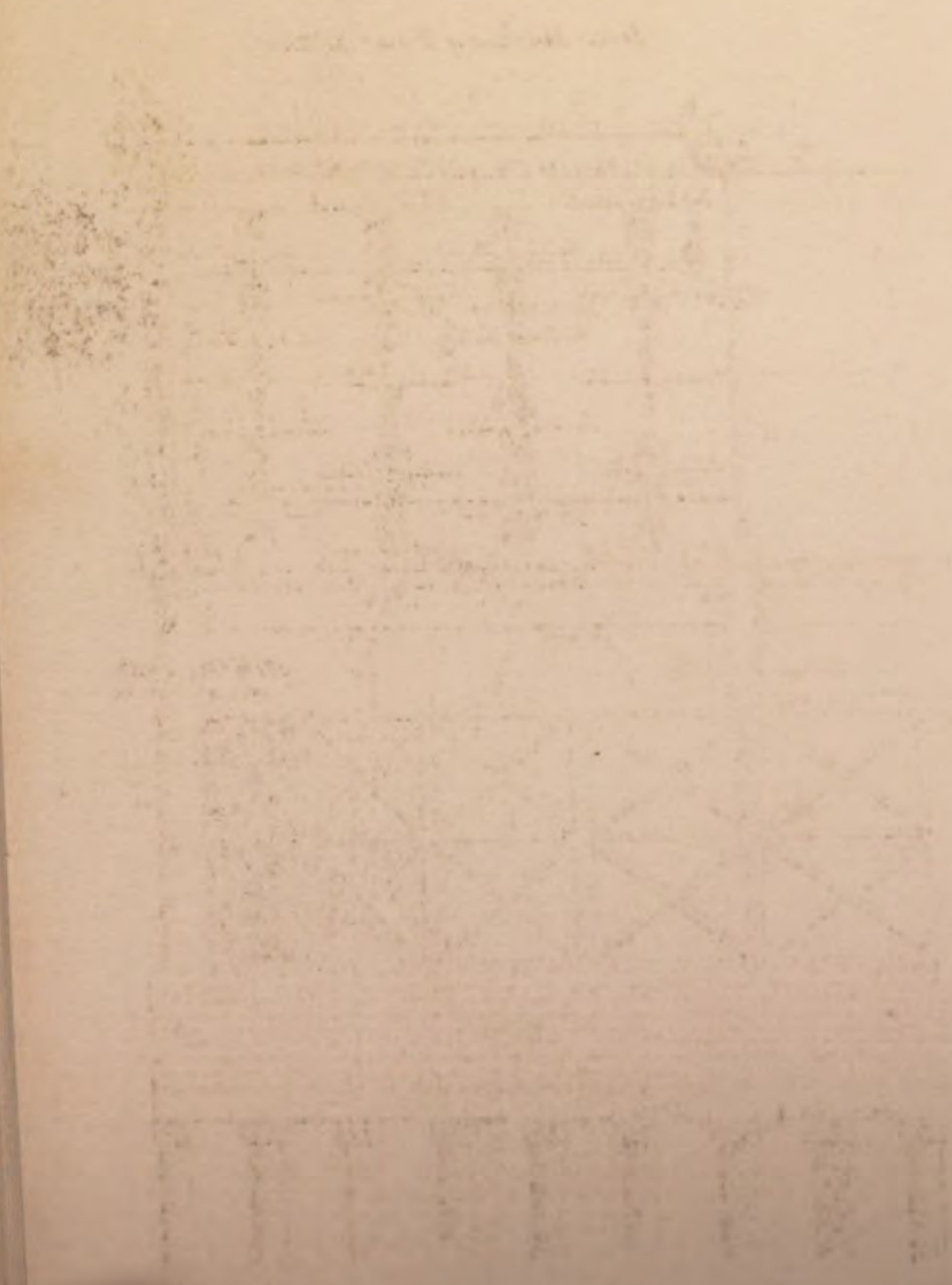
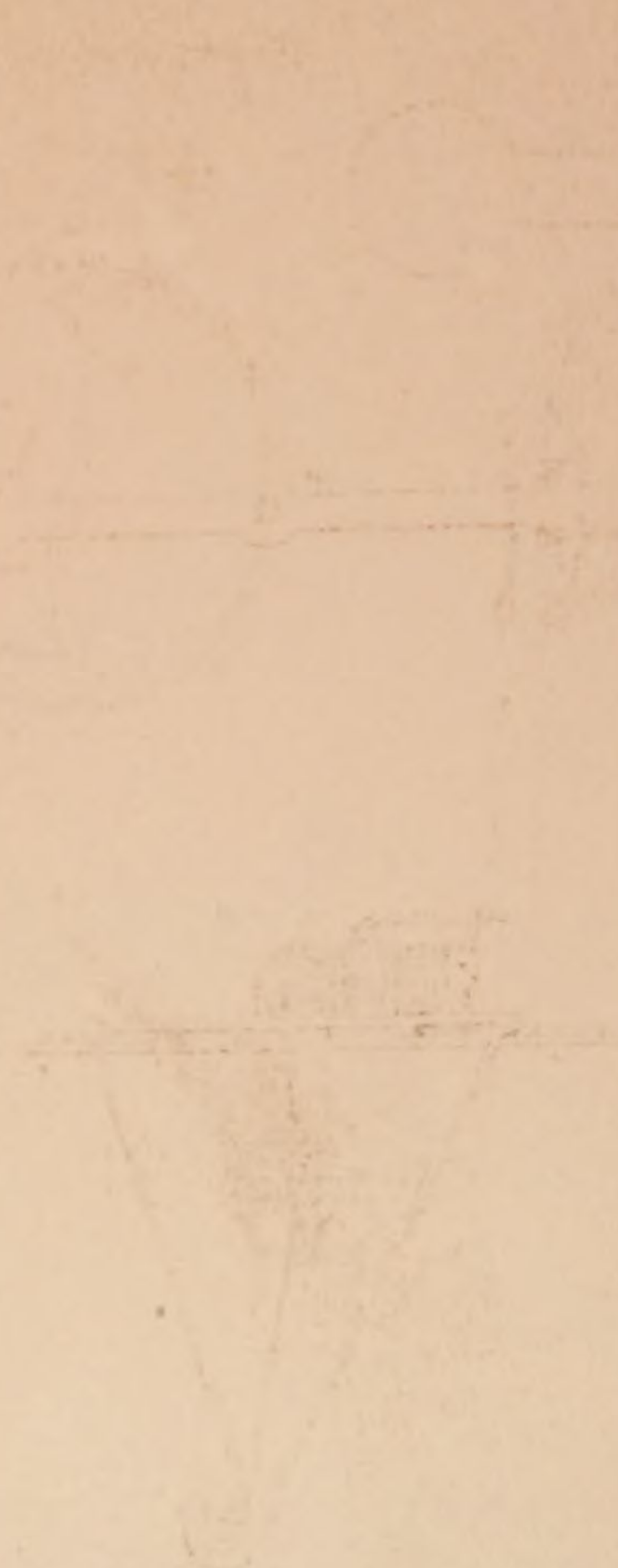
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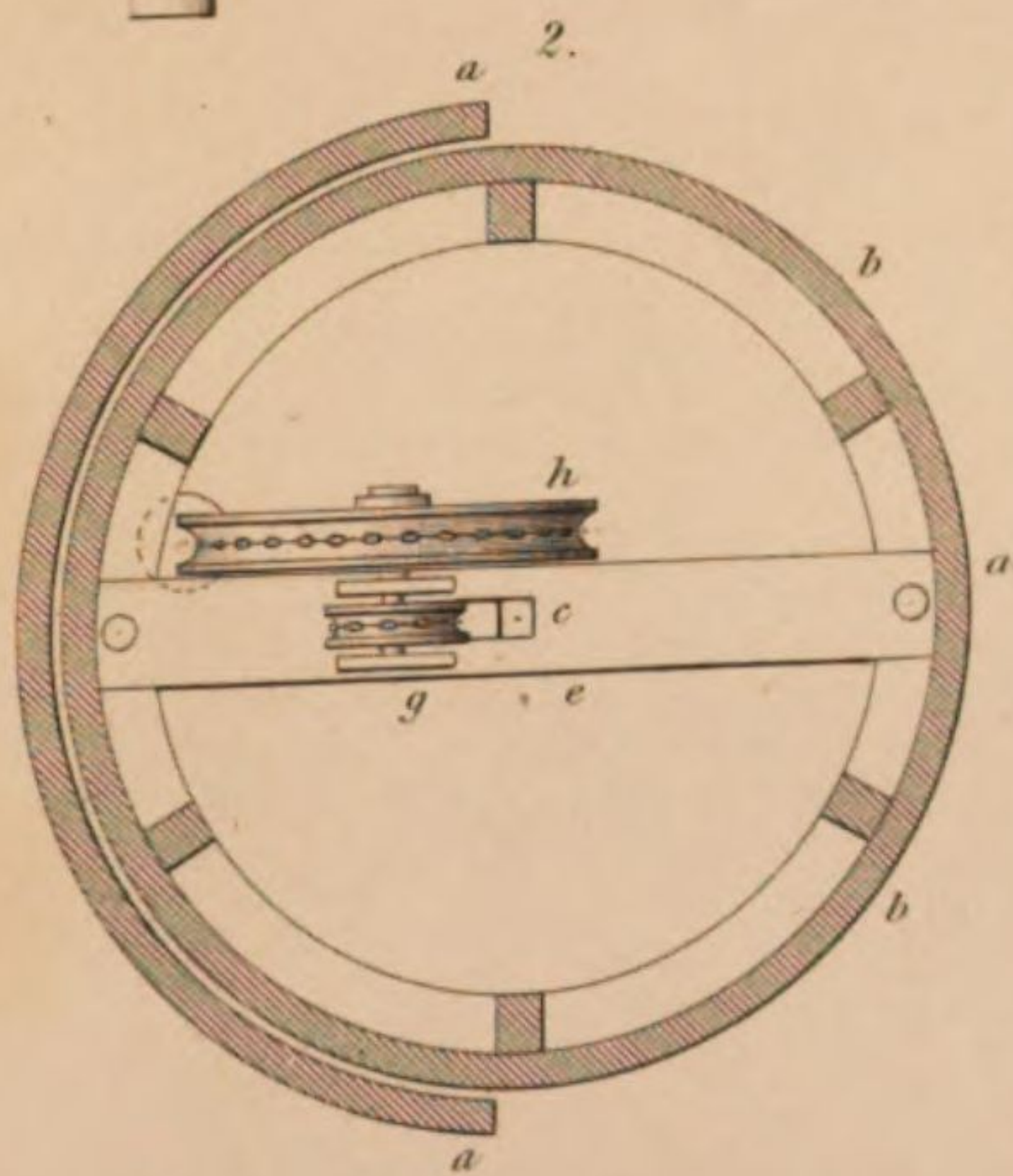
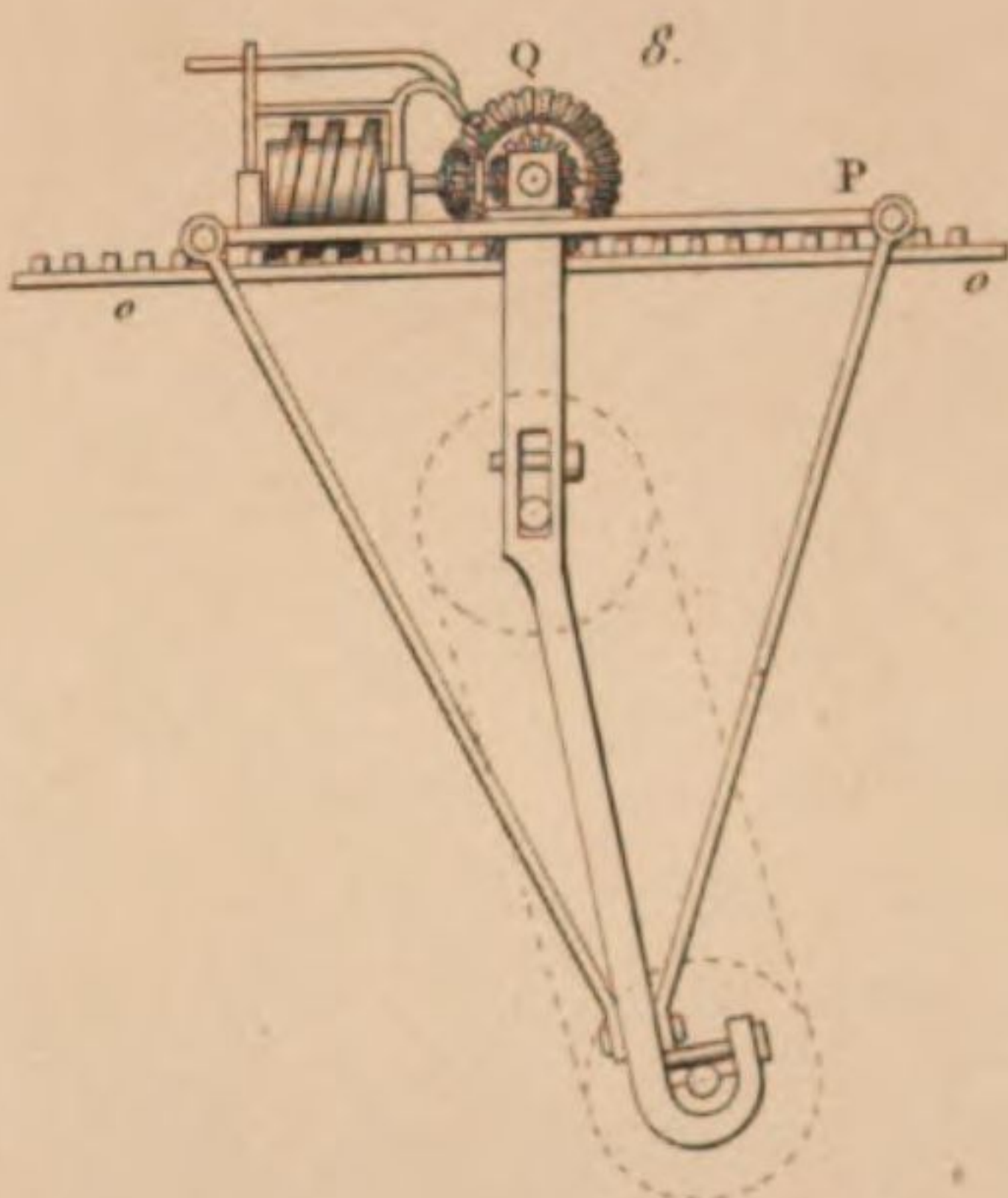
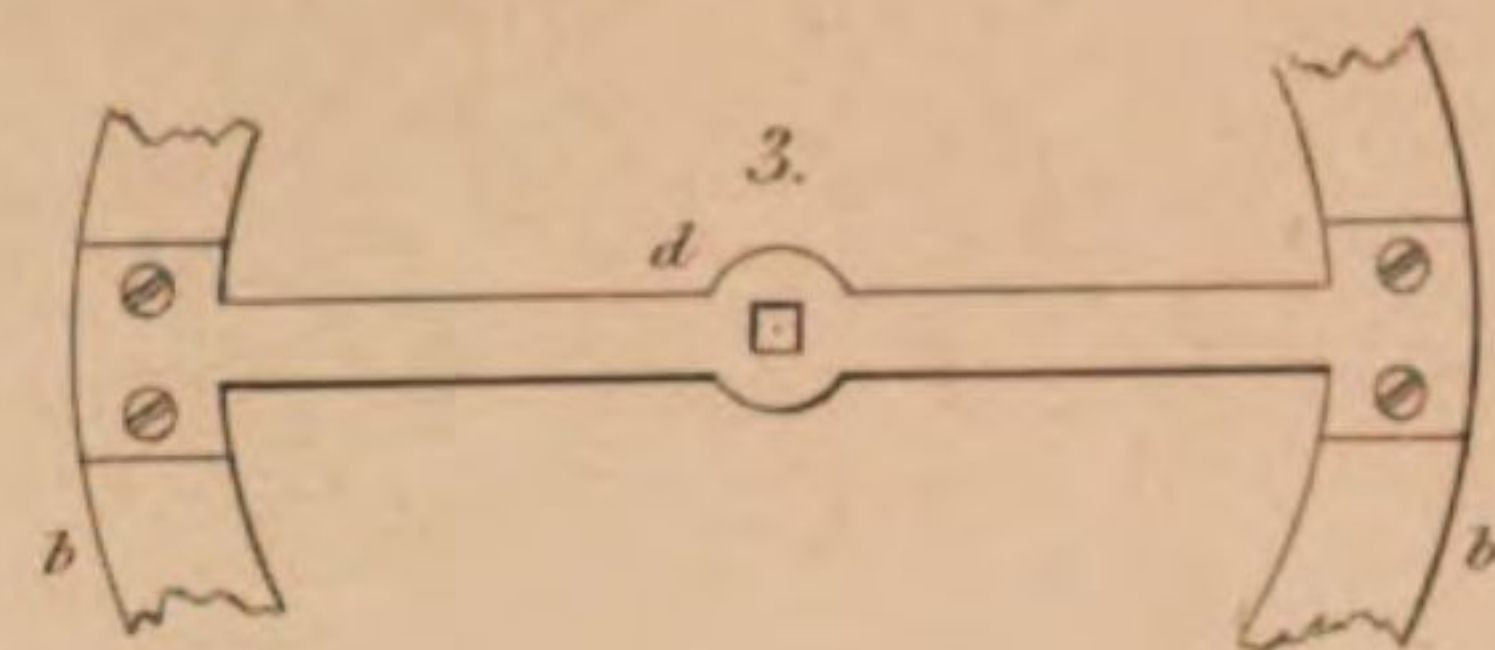
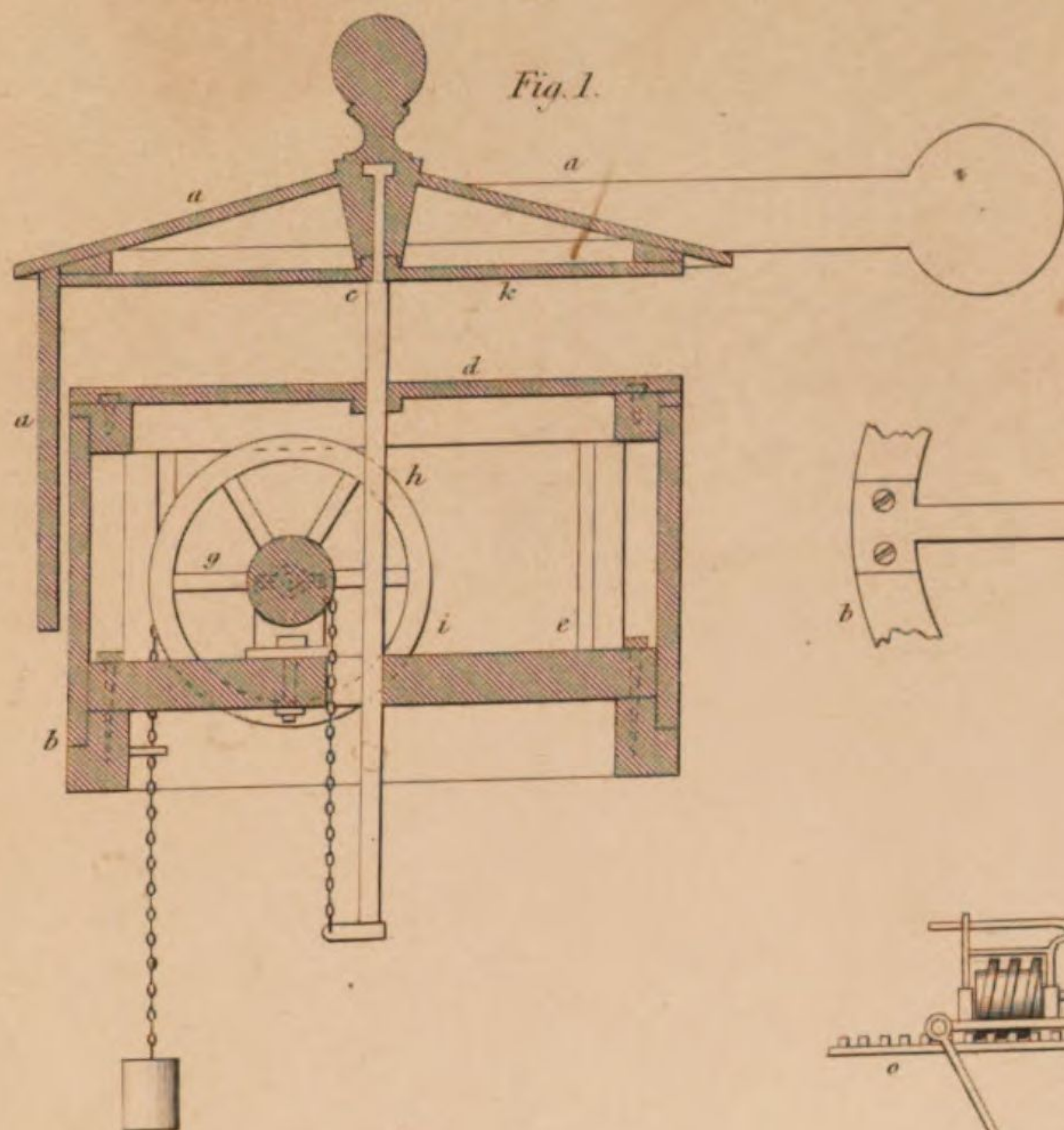
J.W. Lowry fecit

Geometric Construction

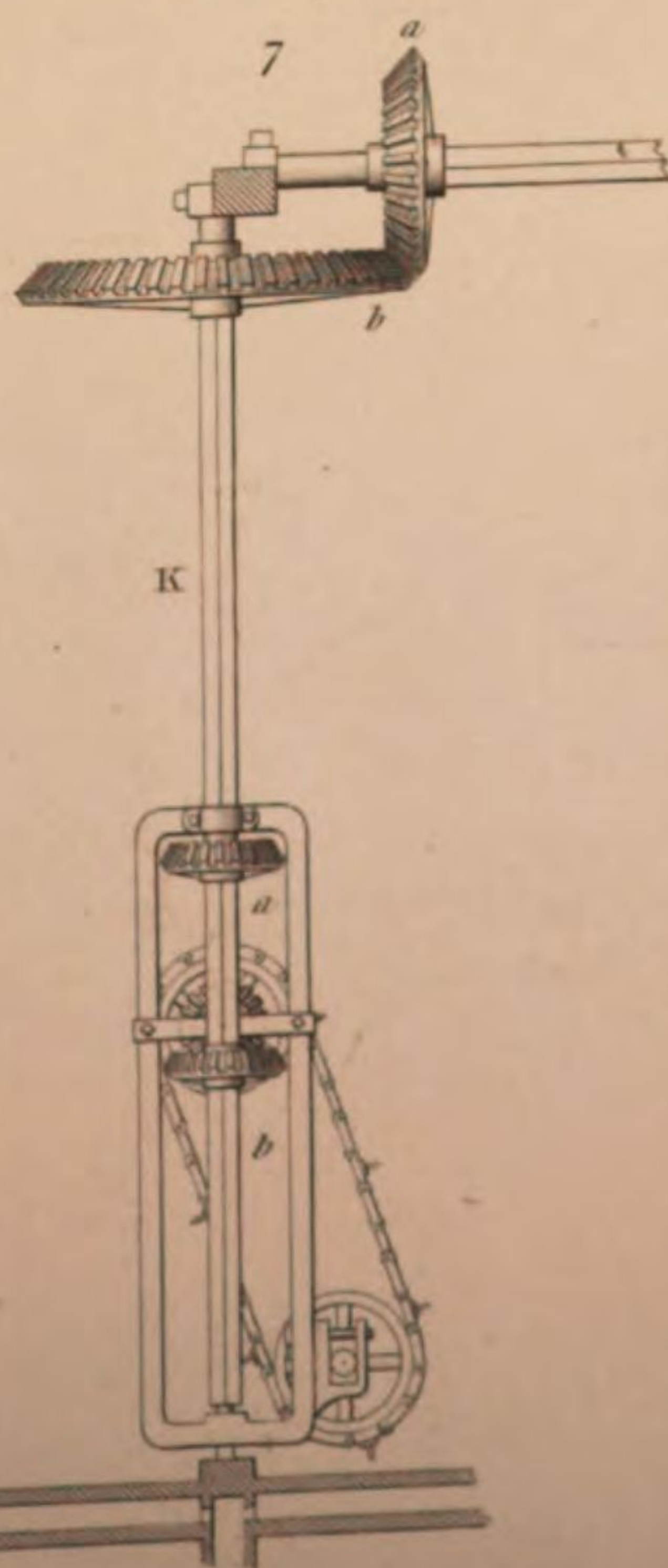
Figure 1



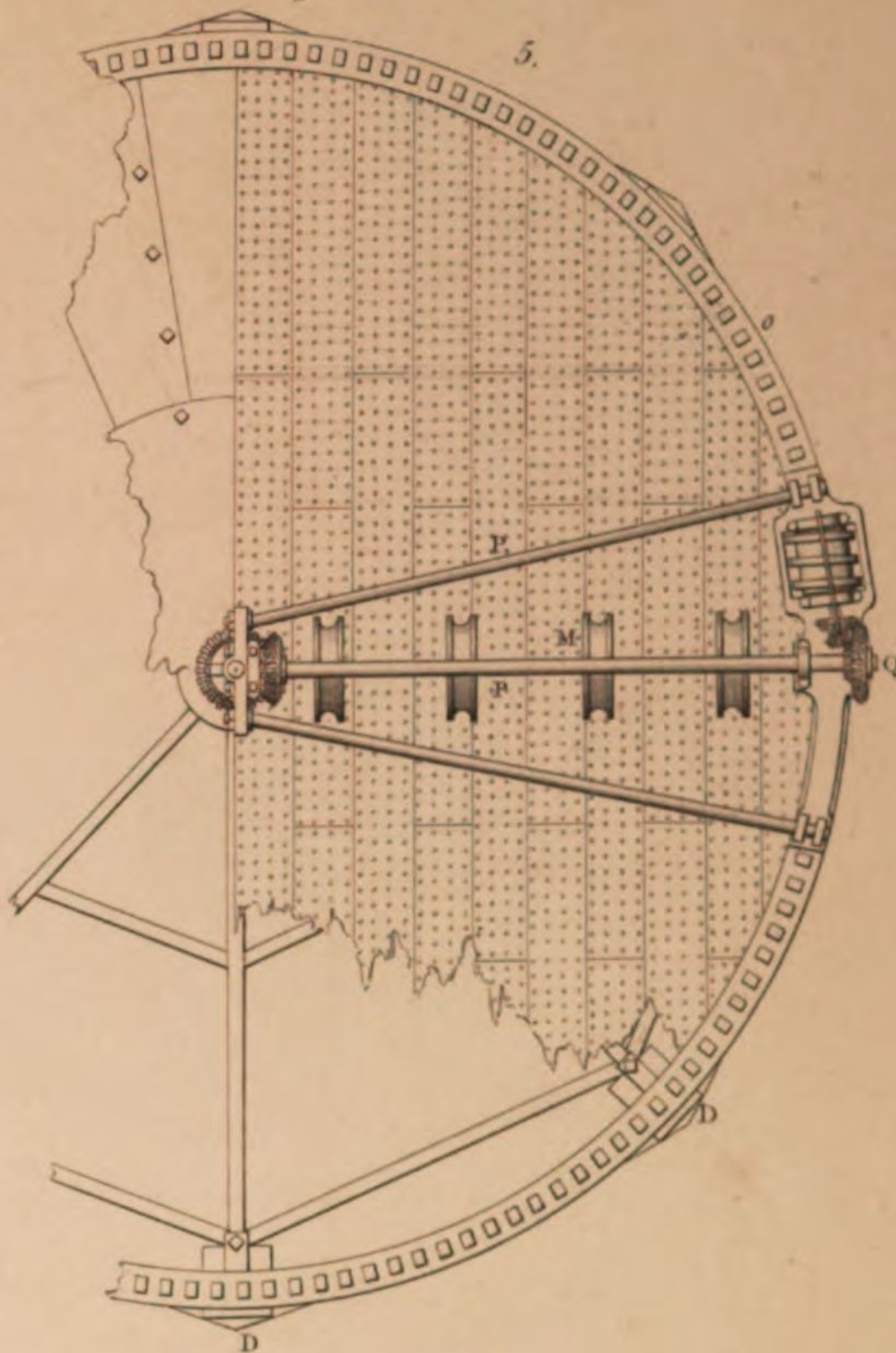
Cawl for Malt house.



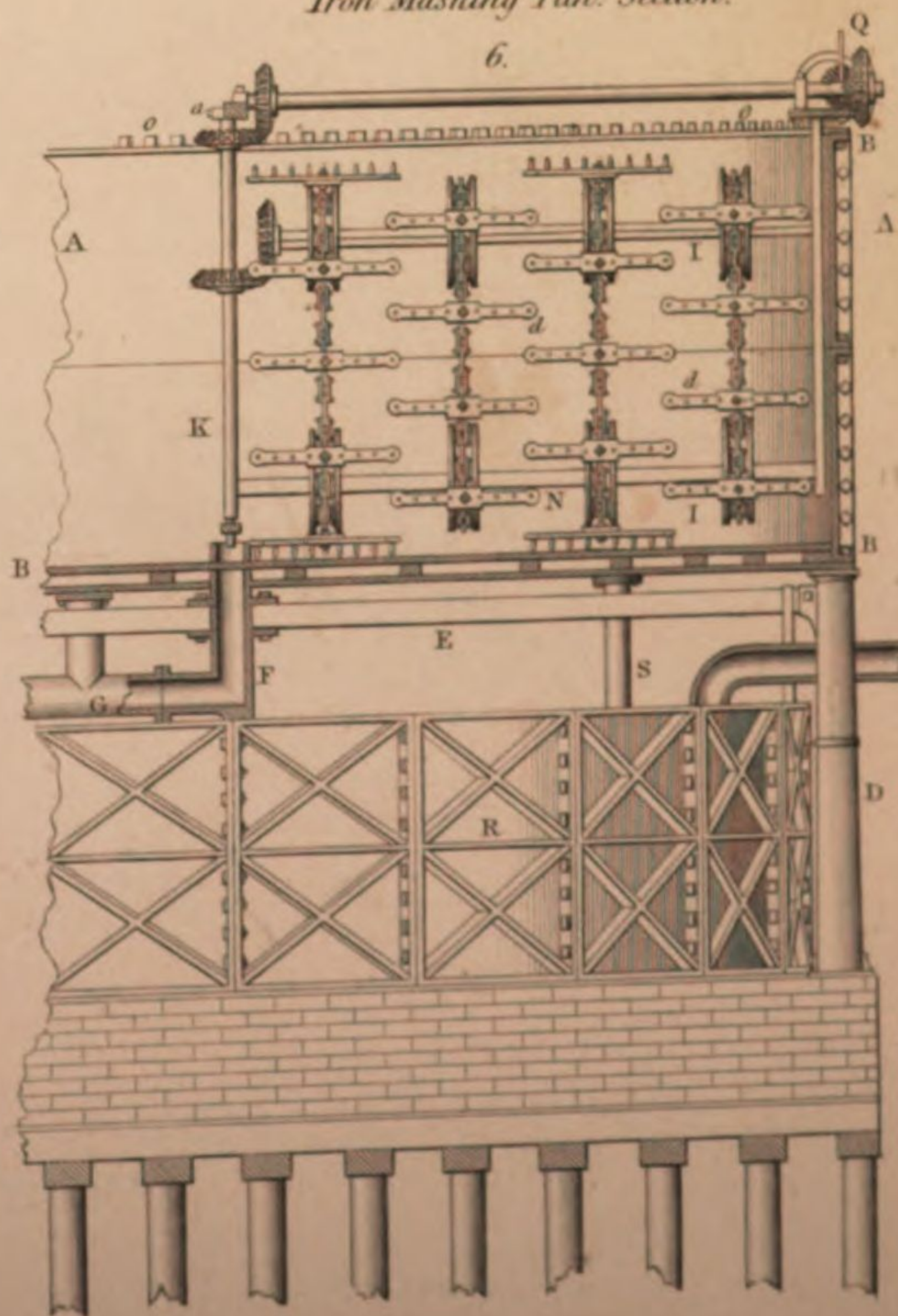
Mashing Engine.



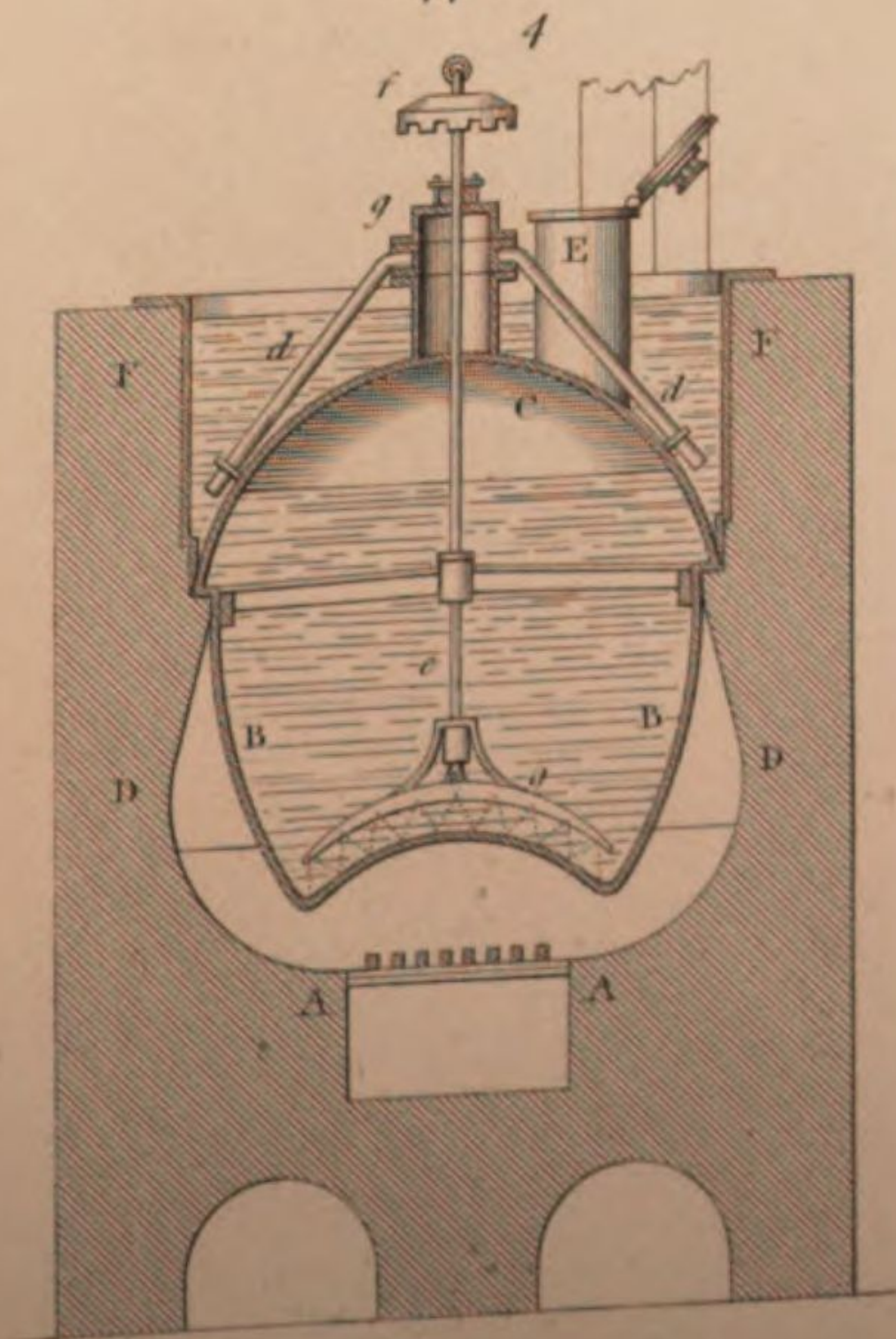
Iron Mashing Tun: Plan.



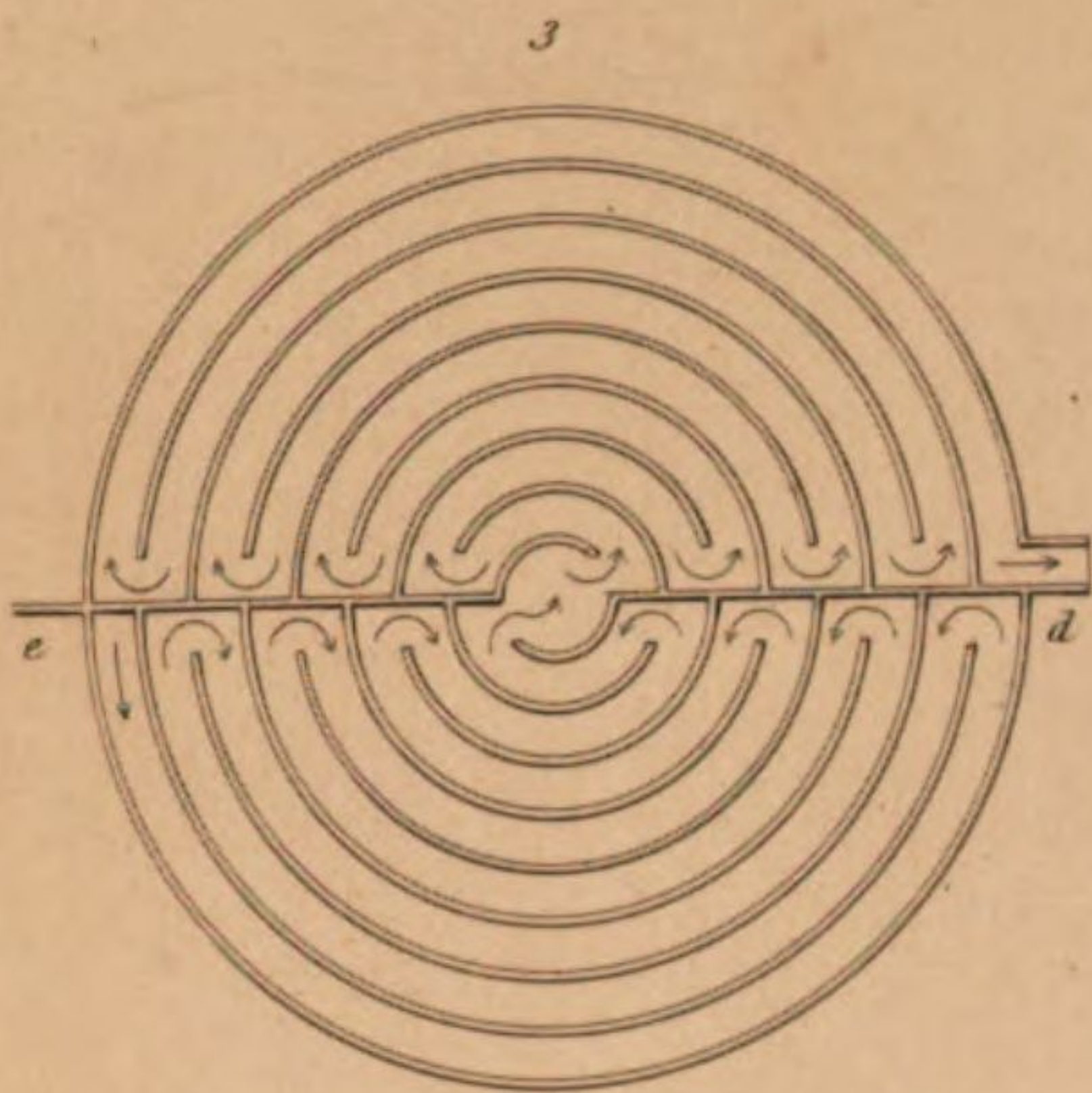
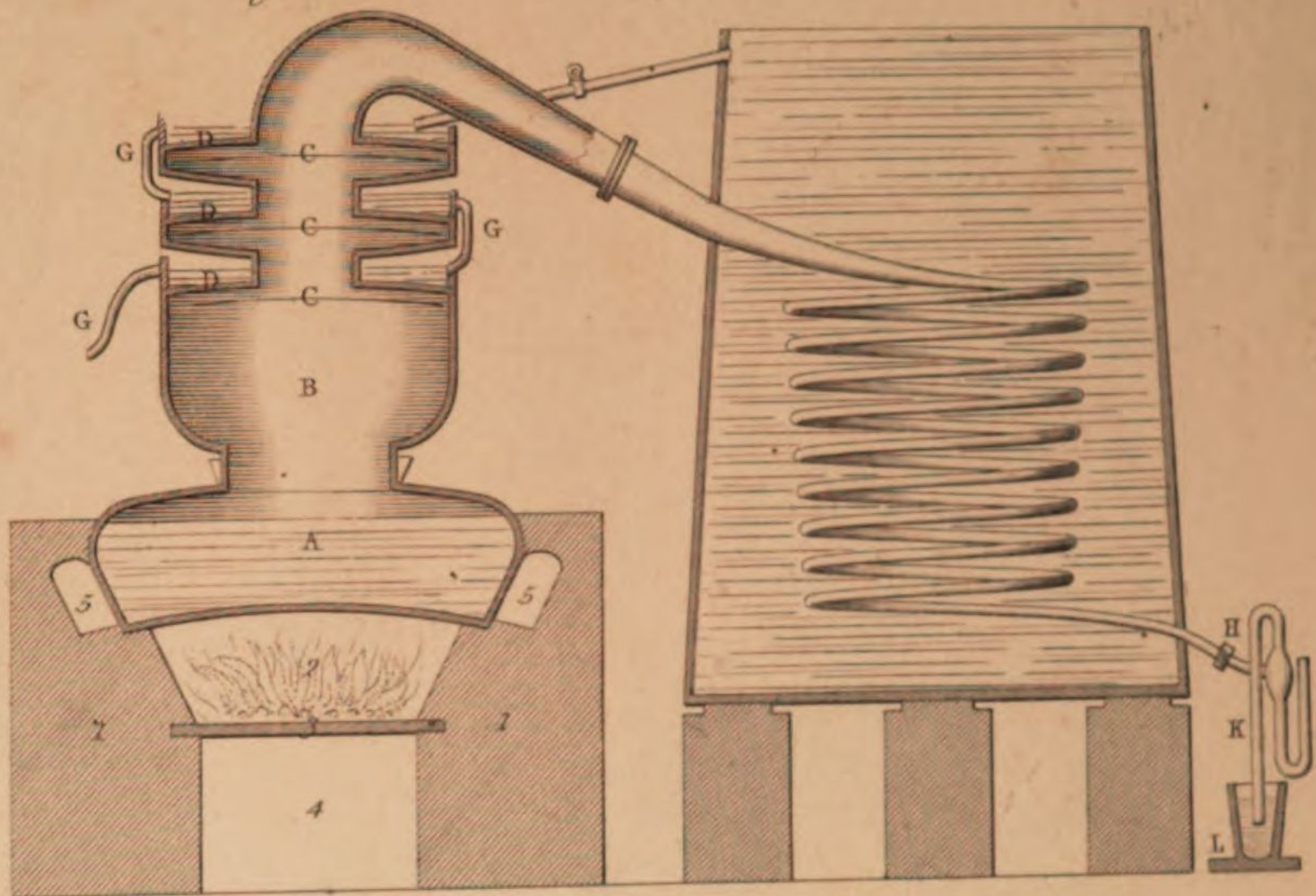
Iron Mashing Tun: Section.



Copper.



Corty's Still.



Wright's Patent Distilling apparatus.

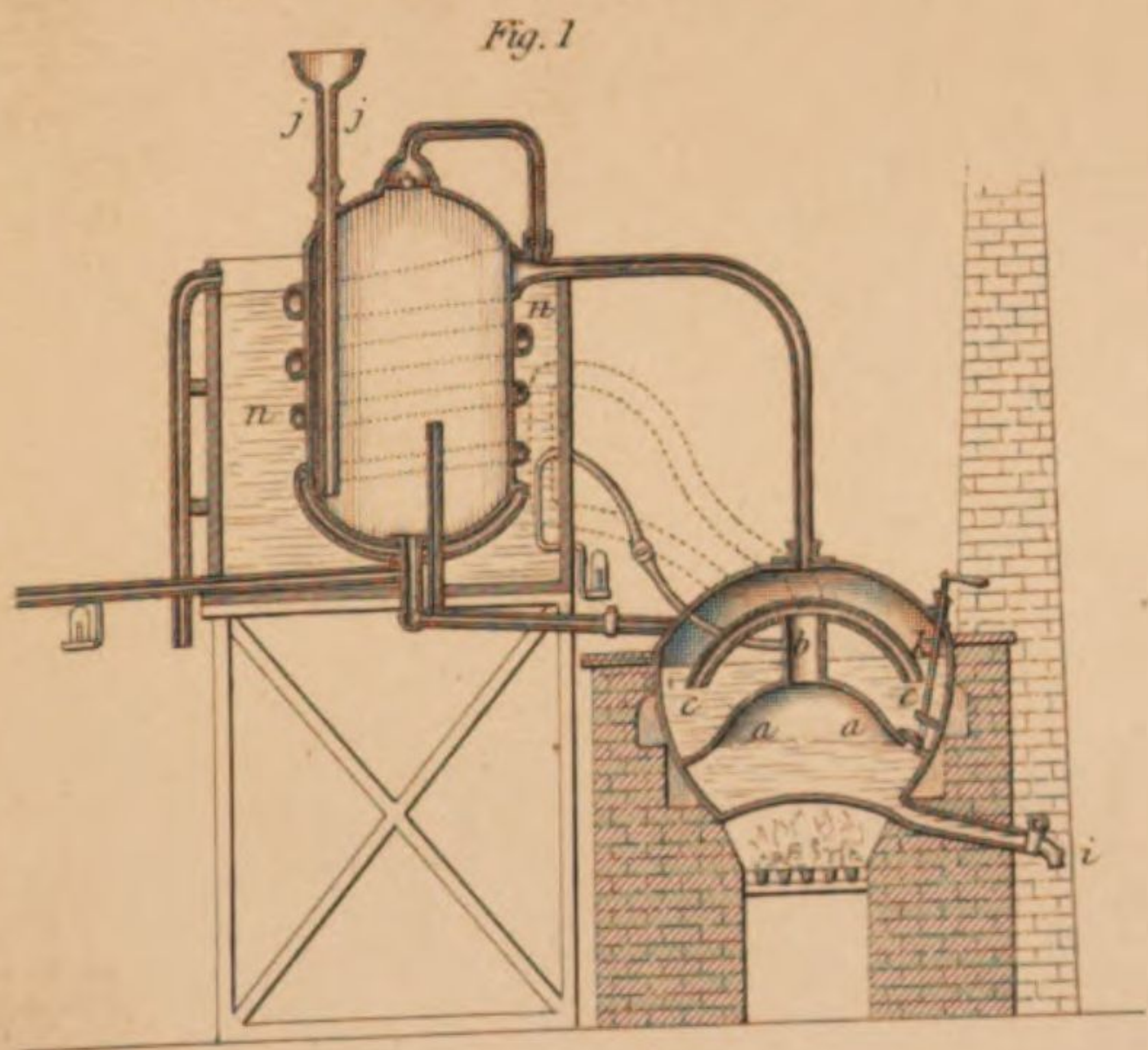
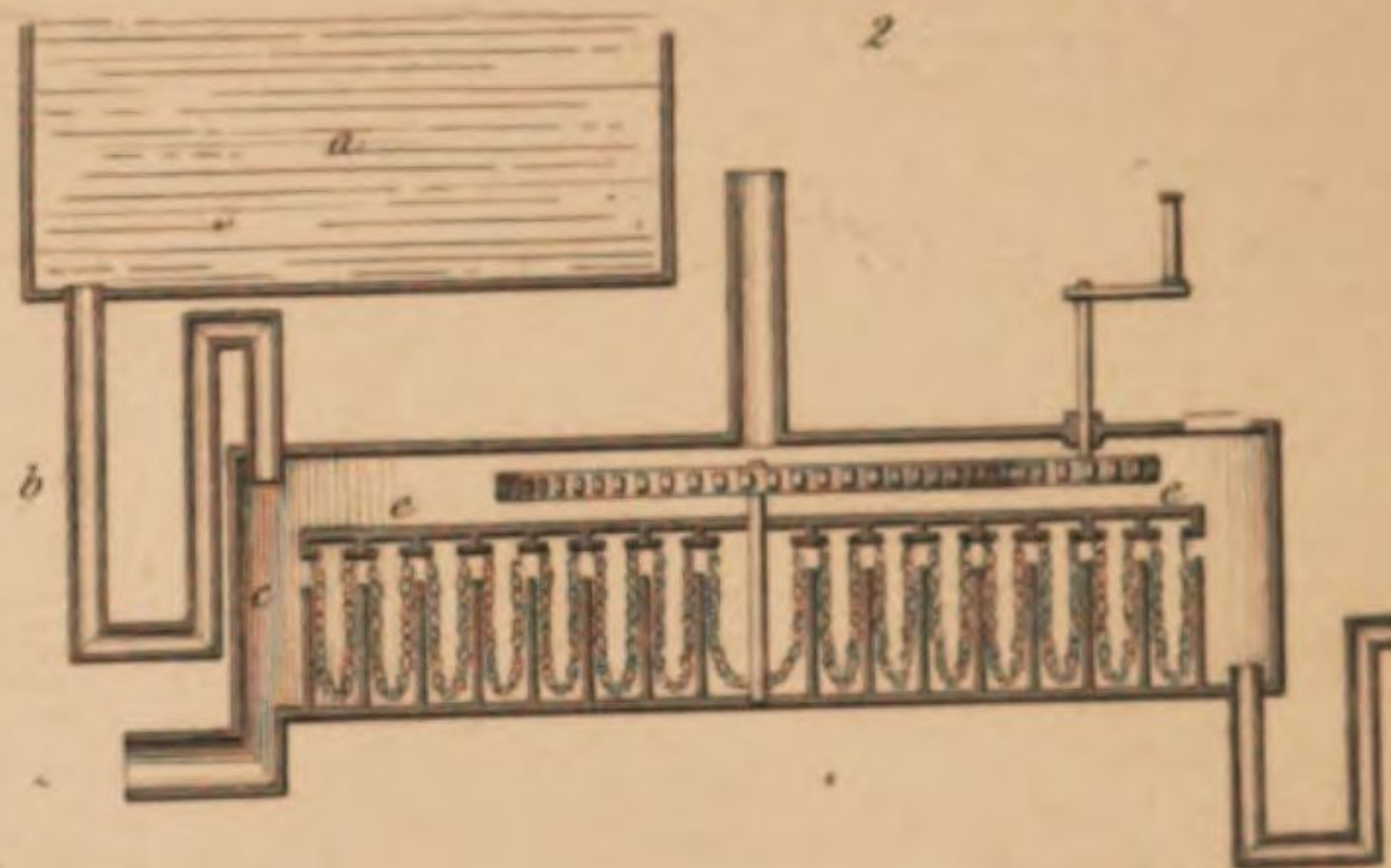
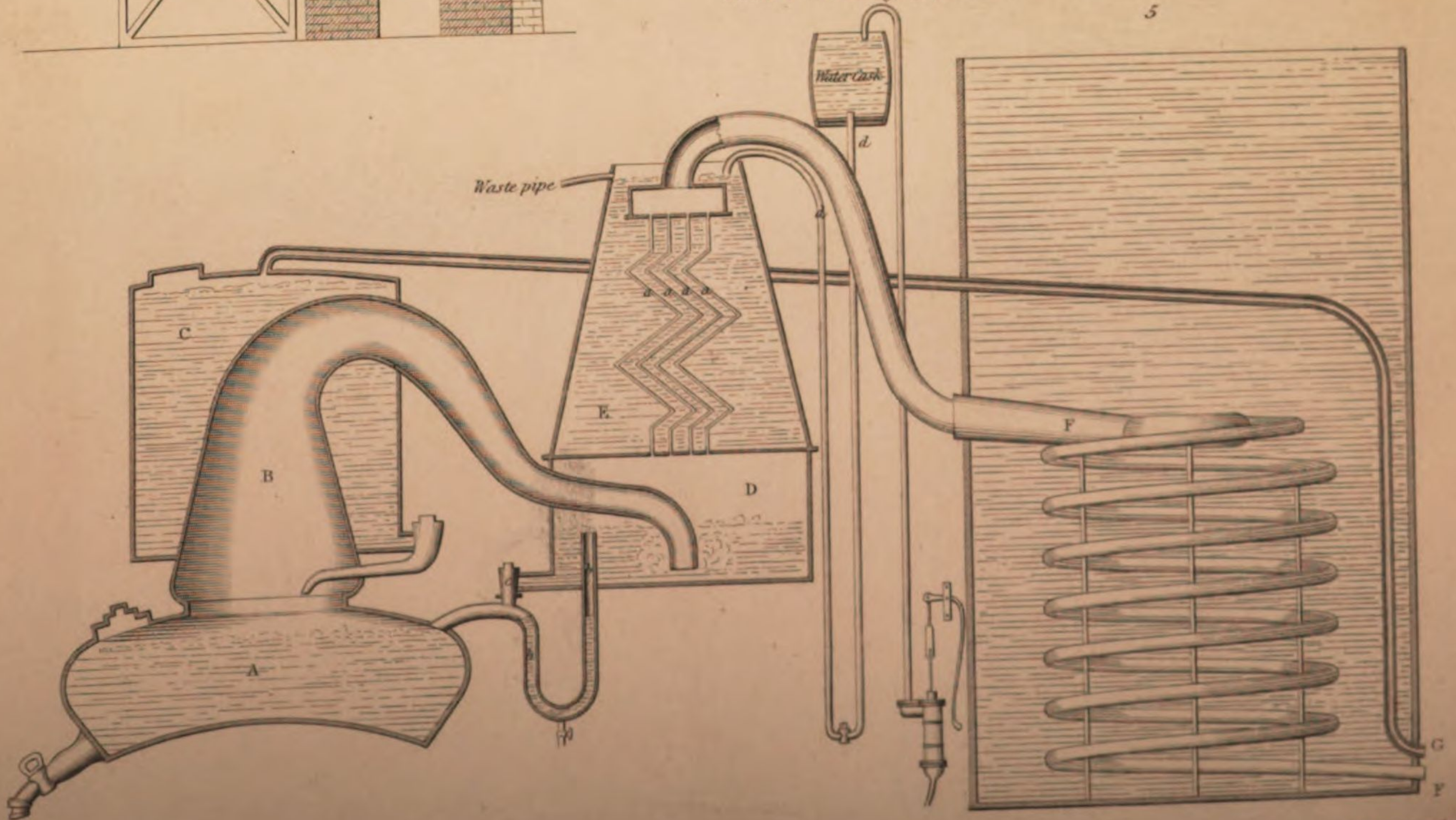


Fig. 1

Perrier's Improved apparatus.



Winter's Distilling apparatus.



J. H. Levy, sculp.



Smedley, Edw.

Encyclopaedia Metropolitana; or, universal dictionary of knowledge, on an original plan: comprising the twofold advantage of a philosophical and an alphabetical arrangement, with appropriate engravings Edited by Edw. Smedley, Hugh Jam. Rose, and H. John Rose. (Text: voll. XXVI. Plates: voll. Bd.: XXVIII

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